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"CHEMICUS LONDON."

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ENGLAND, 1859.]**

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LONDON, E.C.

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[AUSTRALASIA, 1885.]**

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DECEMBER 23, 1911.

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Chemists' and Druggists' Diary for 1912, and your  
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BETHNAL GREEN, E.

December 1911.





# Xmas 1911

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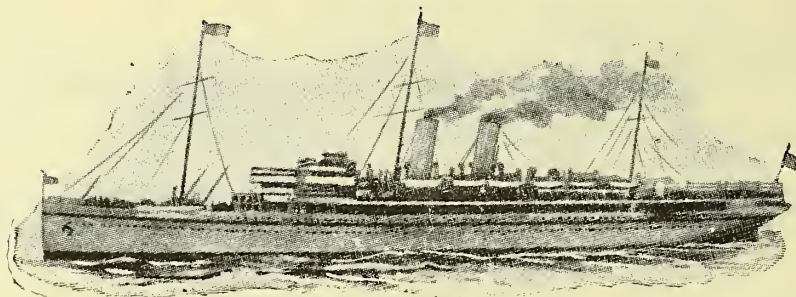
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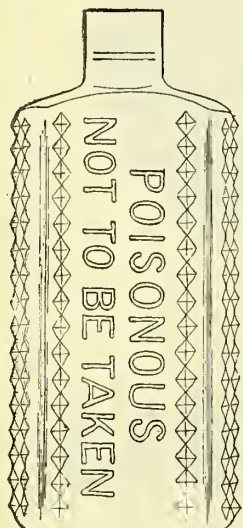
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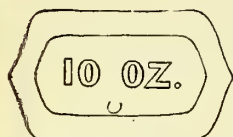
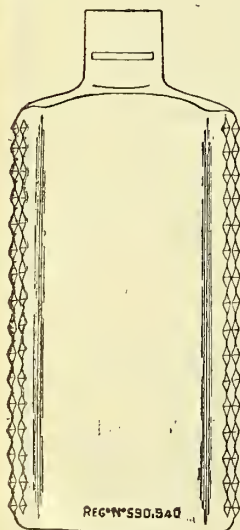
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Front View.

Bottom View.  
Regd. No. 590540.

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**MADE IN ENGLAND.**

Owing to the numerous requests from the Trade for a **cheap** Bottle to comply with the new Privy Council regulations made under the "Poisons and Pharmacy Act, 1908," the Inventors of the "Practical" Poison Bottle have designed the

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The illustrations show the diamond projections at sides and front, which make the bottle so easily noticed even in absolute darkness

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## LARGE LABELLING SPACE.

This bottle is made with a ridge in the neck, which enables it to be used for either a rubber stopper or a cork, and is made in a **rich Blue colour.**

Compare the following prices with those of other poison bottles, and you will find them the lowest that can be obtained.

### PRICES PER GROSS

1-oz.	2-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.	24 (or 25 oz.)
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The "Poisonous" Poison Bottle can be obtained from **Messrs. Maw's, Evans Sons Lescher & Webb, Ltd., Sanger's, May Roberts & Co., Ltd.,** and other leading Wholesale Houses.

**CUT THIS OUT AND KEEP FOR REFERENCE.**

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**CONDENSERS**

Bennett, Sons & Shears, Ltd.

**CONFECTIONERY COLOURS**

Williams Bros. & Co.

**CONTINENTAL PROPS.**

Wilcox, Jozean & Co.

**CORPERSMITHS**

Brathwaite, H., & Co., Ltd.  
Bennett, Sons & Shears, Ltd.

**CORKS**

Mitchell, N. W., & Sons, Ltd.  
Swales, Thomas  
Viscose Development Co., Ltd.

**CORN EXTERMINATOR**

Gardner

**CORN PLASTERS**

Solport Bros.

**COUGH REMEDIES**

Valda Pastilles

**COUNTER ADJUNCTS**

Evans Sons Lescher & Webb Ltd

**COUNTER DISPLAY STANDS**

London & Colonial Mfg. Co.

**COUNTER SPECIALITIES**

Allen & Hanburys, Ltd.  
British Drug Houses, Ltd., The  
Hewlett, C. J., & Sons  
Lloyd, T. H., & Co., Ltd.  
Lorimer Marshall  
Southall Bros. & Barclay, Ltd.  
Wright, Layman & Umney, Ltd.

**COURT PLASTER**

Pharm. Indust. Ges. (Offen-  
bach)  
Solport Bros.

**CREAM OF TARTAR**

British Drug Houses, Ltd., The

**CREOSOTE**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Haywood, Ltd.  
Morson, T., & Son

**CREPE BANDAGES**

Burge, Warren & Ridgley, Ltd.  
Gimber, W., & Son  
Leslies, Ltd.  
Norwich Crêpe Co. (1856), Ltd.  
Wood, Vincent

**CYANIDES**

May & Baker, Ltd.

**DAIRY SPECIALITIES**

Fullwood, R. J., & Bland  
Oldfield, Pattinson & Co.

**DENTAL MECHANICS**

Cullwick H. E.  
Fentiman, A. G.  
Fentiman, A. J., & Co.  
Garthwaite, H.  
Halder, E. O.  
Smith, J. S.  
Wardale & Co.

**DEVELOPERS**

Express Developing Co.

**DEXTRINE**

Fink, F., & Co.

**DIGESTIVE PRODUCTS**

Armour & Co., Ltd.  
Benger's Food, Ltd.  
Fairchild Bros. & Foster  
Parke, Davis & Co.  
Squire & Sons  
Widenmann, Broicher & Co.  
Zimmermann, O., & Co.

**DENTIFRICES**

Bash & Co.  
Beecham, T.  
Bell (John), Hills & Lucas, Ltd.  
Blackie, Robert  
Calvert, F. O., & Co.  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Eucriyl, Ltd.  
Jewsbury & Brown  
John Strange Winter  
Knox, Walker, J., & Co.  
Lambert Pharmacal Co.  
McKesson & Robbins (Inset)  
Mason Bros. & Chapman  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Odel Chemical Works  
Riedel, J. D., & Co.  
Sangers  
Standard Tablet & Pill Co., Ltd.  
Woolley, J., Sons & Co., Ltd.

**DEVELOPERS (PHOTO)**

Griffin, John J., & Sons, Ltd.  
Johnson & Sons (Mfg. Chts.)

**DIABETIC FOODS**

Brusson Jeune  
Van Abbot, G., & Sons

**DISINFECTANTS**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Haywood, Ltd.  
Calvert, F. O., & Co.  
Condy & Mitchell, Ltd.  
Cook, E., & Co., Ltd.  
Jeyes' Sanitary Compds., Ltd.  
Sanitas Co., Ltd.  
Tomlinson & Hayward, Ltd.  
Willows, Francis B. & T.  
Wright, Layman & Umney, Ltd.

**DOUCHES**

Maw, S., Son & Sons  
Reuter, R. J.

**DRUGGISTS' SUNDRIES**

Ayrton, Saunders & Co., Ltd.  
Barclay & Sons, Ltd.  
Berliner, Arthur  
Burge, Warren & Ridgley, Ltd.  
Bush, H. W., & Co., Ltd.  
Christy, T., & Co.  
Edwards, W., & Son  
Evans Sons Lescher & Webb, Ltd.  
Hovenden, R., & Sons, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Pothe, H., & Co.  
Quelch, H. C., & Co.  
Reuter, R. J.  
Sangers  
Schutze, F., & Co., Ltd.  
Solport Bros.  
Southall Bros. & Barclay, Ltd.  
Swales, Thomas  
Toogood, W., Ltd.  
Wattenbach, O.  
Woolley, J., Sons & Co., Ltd.

**DRUGS, CRUDE**

Baiss Bros. & Stevenson, Ltd.  
Brook, Parker & Co., Ltd.  
Gathergood's Exor.  
Goodall, Backhouse & Co.  
Hornor & Sons  
Potter & Clarke, Ltd.  
Ransom, W., & Son  
Schmitt & Wildenhayn  
Sparks, White & Co., Ltd.

**DYES**

Crawshaw, E., & Co.  
Judson, Daniel & Son  
Whitaker & Co. (Hat)

**DYEWARES**

Clemons, Marshall & Carbert

**EAU DE COLOGNE**

Farina, J. M.  
Farina, J. M. (No. 4)  
Farina, Johann Maria  
Fickus, Courtney & Co.  
McCracken, J. & R.  
Schutze, F., & Co., Ltd.  
Van Oppen Ross & Co.

**EAU DE COLOGNE SOAP**

Van Oppen Ross & Co.

**EFFERVESCENT PREPS.**

Bishop, Alfred, Ltd.  
Bristol-Myers Co.  
Guest, Thos., & Co.  
Lloyd, T. Howard & Co.  
Wright, Layman & Umney, Ltd.

**ELASTIC HOSIERY**

Ayrton, Saunders & Co., Ltd.  
Burge, Warren & Ridgley, Ltd.  
Haywood, J. H., Ltd.  
Maw, S., Son & Sons  
Surgical Hosiery Co., Ltd.  
Wood, Vincent



**EDUCATIONAL INSTITUTES**

Bath & West of England College  
Birmingham & Midland College  
College of Preceptors  
Glasgow School of Pharmacy  
Liverpool School of Pharmacy  
London College of Pharmacy  
North of England School  
Northern College of Pharmacy  
South of England College  
Westminster College

**ELASTIC GUM INSTS.**

Mason Bros. & Chapman

**ELECTRICAL NOVELTIES**

Ward & Goldstone

**EMBROCATIONS**

Ayrton, Saunders & Co., Ltd.

**EMERY AND CLOTH**

Oakey, J., & Son, Ltd.

**EMULSIFIERS**

Bennett, Sons & Shears, Ltd.

**EMULSIONS, C. L. O. & C.**

Ayrton, Saunders & Co., Ltd.  
Bailes Bros. & Stevenson, Ltd.  
British Drug Houses, Ltd., The  
Burgoyne, Burbidges & Co.  
Parke, Davis & Co.

**ENEMAS**

Burge, Warren & Ridgley, Ltd.  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Warne, W., & Co., Ltd.

**EPSOM SALTS**

Corbyn, Stacey & Co., Ltd.  
Howards & Sons, Ltd.

**ESSENCES, CONCRETE**

Lautier Fils

**ESSENCES, SOL. AND FRUIT**

Alliance Drug and Chem. Co.  
Barnett & Foster  
Boake Roberts & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Hay, Wm., Ltd.  
Lautier Fils  
London Essence Co.  
Newball & Mason  
Stevenson & Howell, Ltd.

**ETHERS**

Bailes Bros. & Stevenson, Ltd.  
Duncan, Flockhart & Co.  
Howards & Sons, Ltd.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.  
White, A., & Sons

**EUCALYPTUS OIL**

British Drug Houses, Ltd., The

**EXTRACT OF HERBS**

Newball & Mason  
Potter & Clarke, Ltd.

**EXTRACTS (MEDICINAL)**

Allen, Stafford & Sons, Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Gathergood Exor.  
Hewlett, C. J., & Son, Ltd.  
Parke, Davis & Co.  
Ransom, W., & Son

**FACTORY SITES**

North-Eastern Railway  
Great Western Railway

**FEDDING BOTTLES**

Bush, Henry W., & Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Horlick's Malted Milk Co.  
Hovenden, R., & Sons, Ltd.  
Maw, S., Son & Sons  
Reuter, R. J.  
Saunders'

**FILTERS**

Berkefeld Filter Co., Ltd.

**FOODS, INVALID, ETC.**

Allen & Hanbury, Ltd.  
Bell (John), Hills & Lucas, Ltd.  
Benger's Food, Ltd.  
Brand & Co., Ltd.  
Burgoyne, Burbidges & Co.  
Cox, Arthur H., & Co., Ltd.  
Fairchild Bros. & Foster  
Horlick's Malted Milk Co.  
"Lemco and Oxo"  
Lofthouse & Saltmer  
Menley & James, Ltd.  
Natural Food Co., Ltd.  
Neave, Josiah R., & Co.  
Theinhardt's Food Co.  
Turtle Cup (1911), Ltd.  
Wander, A., Ltd.  
Willows, Francois, B. & T.

**FULLER'S EARTH**

Mumford, G. S., & Sons

**FUMIGATORS**

Sanitas Co., Ltd.

**FLESH GLOVES, STRAPS, & C.**

Reuter, R. J.  
Solport Bros.

**FLY-CATCHERS**

Alabastine Co. (British), Ltd.  
Deansmere Manfg. Co.  
Ford, Shapland & Co.  
Kay Bros., Ltd.  
Smith, J. H., & Co.  
Tanbridge & Wright

**FURNITURE POLISH**

Elvee Company

**GLAUBER'S SALT**

Bramwell, E., & Son  
Howards & Sons, Ltd.

**GLYCERINE**

Meffert, Hermann & Co.  
Price's Patent Candle Co., Ltd.

**GLYCEROPHOSPHATES**

Merok, E.  
Pointet & Girard  
Reitmeyer & Co.

**GOLD PAINT**

Judson, D., & Son

**GRINDERS, DRUG, & C.**

Allen, Stafford & Sons, Ltd.  
Goodall, Backhouse & Co.  
Willows, Francois, B. & T.

**GRIPE WATER**

Woodward, W., Ltd.

**GUMS**

Fink, F., & Co.  
Kidston, W. M., & Co.

**HAIR DYES**

Blackie, Robert  
Harker, Stagg & Morgan, Ltd.  
Osborne, Garret & Co.

**HAIR PREPARATIONS**

Anglo-Continental Trading Co.  
Chesebrough Manfg. Co.  
Edwards' "Harlene" Co.  
Egglossa Manfg. Co.  
Harker, Stagg & Morgan, Ltd.  
Harrison, G. W.  
Herpicole Co.  
John Strange Winter  
Odol Chemical Works  
Osborne, Garret & Co.  
Robare's Aureoline  
Sofito Manfg. Co.  
Vibert, F.  
Warner Oliver, Ltd.

**HAT CLEANERS**

Christy, Thos., & Co.  
Senior, Alf., & Co.

**HAT DYES**

Judson, D., & Son  
Knox, Walker J., & Co.  
Whitaker & Co.

**HAY FEVER REMEDY**

Lu-Ku Co.

**HEATING APPARATUS**

Clark's Syphon Stove Co., Ltd.  
Rajar, Ltd.  
Richmond Gas Stove & Meter

**HERBS**

Brook, Parker & Co., Ltd.  
Pannett & Neden  
Potter & Clarke, Ltd.  
Ransom, W., & Son

**HOMOEOPATHIC MEDICINES**

Ashton & Parsons, Ltd.  
Keene & Ashwell, Ltd.

**HOTELS**

Esmond Hotel  
Kingley Hotel  
Thackeray Hotel

**HOT-WATER BOTTLES, & C.**

Bailey, W. H., & Son  
Berliner, Arthur  
Burge, Warren & Ridgley, Ltd.  
Galen Manfg. Co., Ltd.  
Maw, S., Son & Sons  
Schutze, F., & Co., Ltd.  
Sheath Bros.  
Southall Bros. & Barolaw  
Tompkins, James, Ltd.  
Wood, Vincent

**HYPOPHOSPHITES**

May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.

**HYDROGEN PEROXIDE**

May & Baker, Ltd.  
Sanitas Co., Ltd.  
Tyrer, T., & Co., Ltd.

**ICHTHYOL**

Ichthyol Gesellschaft

**INHALERS**

Burroughs Wellcome & Co.  
Maw, S., Son & Sons  
Sanitas Co., Ltd.

**INK POWDERS**

Williams Bros. & Co.

**INSECT POWDER**

Keating, Thomas

**INSECTICIDES**

Christy, Thos., & Co.  
Tomlinson & Hayward, Ltd.

**INSTEP SUPPORTS**

Scholl, O. Manfg. Co.  
Iodine Resublimed  
Howards & Sons, Ltd.  
Huskisson, H. O., & Co.

**IRISH MOSS**

Cumming, J. W.  
Salle, H., & Co.

**ITROSYL**

Fletcher, Fletcher & Co.

**JARS AND POTS**

Dowell, John  
Johnsen & Jorgensen, Ltd.  
Maw, S., Son & Sons  
Melin, C., & Co.  
Pfeifer, O. A.  
Reuter, R. J.  
Stipendum Stopper Co.

**JELLOIDS**

Jellid Co.

**JUJUBES**

Guest, Thos., & Co.

**JUNIPER BERRIES**

Selgsohn, E.

**JUNKET POWDER**

Armour & Co., Ltd.

**LAMPS**

Block Light Co., Ltd.

**LANOLINE**

Burroughs Wellcome & Co.

**LARD**

Ewen, J., & Sons

**LAVENDER OIL**

Zimmermann, C., & Co.

**LAVENDER WATER**

Maddocks & Co.

**LEATHER DYES**

Williams, Bros. & Co.

**LECITHIN**

Chem. Works "Victoria."  
Salle, H., & Co.

**LIME JUICE AND CORDIAL**

Evans Sons Lescher & Webb Ltd.  
Goodall, Backhouse & Co.  
Idris & Co., Ltd.

**LINSEED, CRUSHED, & C.**

Mumford, G. S., & Sons

**LINTS**

Liverpool Lint Co.  
Maw, S., Son & Sons  
Robinson & Sons, Ltd.  
Taylor, W. G.

**LIQUORICE JUICE**

Apollo  
Evans Sons Lescher & Webb Ltd.  
Horner & Sons  
Jackson, E. E.  
Mumford, G. S., & Sons  
Solazzi

**LIQUORS, CONC, & C.**

Fletcher, Fletcher & Co.  
Hewlett, C. J., & Son  
Robinson, B., & Co.  
Wyleys, Ltd.

**LITHIA SALTS**

British Drug Houses, Ltd., The  
May & Baker, Ltd.

**LOOFAMS**

Internl. Sponge Importers, Ltd.  
Solport Bros.

**LOOSE-LEAF LEDGERS**

Moore's Modern Methods  
Morland & Impey, Ltd.

**LOZENGES**

Ayrton, Saunders & Co., Ltd.  
Denoual, J., & Co.  
Guest, Thos., & Co.  
Jackson, E. E.  
Potter & Clarke, Ltd.  
Raines & Co.  
Standard Tablet & Pill Co., Ltd.  
Warrick Bros.

**MACHINERY, PHARMACAL**

Allen & Hanbury, Ltd.  
Bennett, K., & Son, Ltd.  
Bennett, Sons & Shears, Ltd.  
Comet Chemical Co., Ltd.  
Gardner, Wm., & Sons, Ltd.  
Griffin, J. J., & Sons, Ltd.  
Lister, R. A., & Co., Ltd.  
Pindar, J. W., & Co.  
Stokes, F. J., Machine Co.  
Wilkinson, S. W., & Co.

**MAGNESIA AND ITS PREPS.**

British Drug Houses, Ltd., The  
Corbyn, Stacey & Co., Ltd.  
Henry, T. & W.  
Howards & Sons, Ltd.  
May & Baker, Ltd.  
Phillips, Chas. H., Chem. Co.  
Washington Chemical Co., Ltd.

**MARKING INK**

Brooks, Tom  
Hickisson, A. (Bond's)  
Williams Bros. & Co.

**MALT EXTRACT & PREPS.**

British Diamalt Co., Ltd.  
British Drug Houses, Ltd., The  
Burroughs Wellcome & Co.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb

**METAL GOODS**

Betts & Co., Ltd.

**MEAT EXTRACTS**

Armour & Co., Ltd.  
Brand & Co., Ltd.  
"Lemco and Oxo"  
Tooth's Extract of Meat Co.  
Turtle Cup (1911), Ltd.

**MECHANICAL SHOW**

FIGURES

Bush, Henry W., & Co., Ltd.

**MEDICINE CASES**

Parke, Davis & Co.

**MENTHOL SNUFF**

Christy, T., & Co.

**MERCURIALS**

Alliance Drug & Chem. Co.  
Howards & Sons, Ltd.

May & Baker, Ltd.

Tyrer, T., & Co., Ltd.

**METHYLATED SPIRIT**

Burroughs, J., Ltd.  
Macnair, A., & Co.  
Preston's Liverpool Distillery  
Randall & Son, Ltd.

**MICROSCOPES**

Raphael's, Ltd.

**MINERAL WATERS, SALTS**

Apollinaris Co., Ltd.  
Hughes, E. Griffiths  
Ingram & Royle, Ltd.  
Vichy (State Springs)  
Vittel

**MIXERS AND SIFTERS**

Comet Chemical Co., Ltd.  
Gardner, Wm. & Sons (Gloucester), Ltd.

**MUSTARD PLASTERS**

Rueff, Julius

**NIGHT LIGHTS**

Prescott & Co.

**OILS, MINERAL, FATTY**

Allen, Stafford & Sons, Ltd.  
Price's Patent Candle Co.  
Schliemann's Oil & Ceresine Co.  
Stern Sonneborn Oil Co., Ltd.

**OILS, ESSENTIAL**

Allen, Stafford & Sons, Ltd.  
Alliance Drug & Chemical Co.  
Boake, A., Roberts & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Delvendahl & Kuntzel  
Dodge & Oleott Co.  
Evans Sons Lescher & Webb, Ltd.  
Lautier Fils  
London Essence Co.  
Poppelreuter, W.  
Ransom, W., & Son  
Schimmel & Co.  
Stevenson & Howell, Ltd.  
Varaldi, F.  
Wright, Layman & Umney, Ltd.  
Zimmermann, Chas. & Co.

**OINTMENT MILLS**

Wilkinson, S. W., & Co.

**OINTMENTS**

Blackie, Robert  
Burgess, E.  
Calvert, F. C., & Co.  
Cox, Arthur H., & Co.  
Oldfield, Pattinson & Co.  
Peat Products (Sphagnum), Ltd.  
Smith, Maurice  
Zimmermann, Chas., & Co.

**OLIVE OIL**

Goodall, Backhouse & Co.  
Sparks, White & Co., Ltd.  
Varaldi, F.

**OPTICAL GOODS**

Botwright & Grey  
Darton, F., & Co.  
Maw, S., Son & Sons  
Nitsche & Gunther Opt. Co., Ltd.  
Raphael's, Ltd.

**OPTICAL TUITION**

British Optical Institute, Ltd.  
Spectacle Makers' Company.

**ORANGE WINE**

Hobson, Joseph, & Son  
Melrose-Drover Co., Ltd.  
Millar, A., & Co., Ltd.

**OTTO OF ROSE (SYNTH.)**

Crown Chem. Wks.  
Wright, Layman & Umney, Ltd.



**PALATINOIDS**  
Oppenheimer, Son & Co., Ltd.

**PATENT AGENT**  
Barker, R. W.

**PHOTO. POSTCARDS**  
Rajar, Ltd.

**PACKED GOODS**  
Allen & Hanburys, Ltd.  
Baies Bros. & Stevenson, Ltd.  
Blackie, Robert  
Boulton, James & Co. (1909)  
Brook, Parker & Co., Ltd.  
Cox, Arthur H., & Co., Ltd.  
Christy, Thos., & Co.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb, Ltd.  
Goodall, Backhouse & Co.  
Harker, O. R., Staggs & Morgan  
Knox, Walker J., & Co.  
Lloyd, T. Howard & Co.  
Lorimer Marshall  
May, Roberts & Co., Ltd.  
Newball & Mason  
Oldfield, Pattinson & Co.  
Potter & Clarke, Ltd.  
Sangers'  
Shirley Bros., Ltd.  
Standard Tablet & Pill Co., Ltd.

**PASTILLES**  
Allen & Hanburys, Ltd.  
Asche, C. F., & Co.  
Burroughs Wellcome & Co.  
Denoual, J., & Co.  
Evans Sons Lescher & Webb, Ltd.  
Guest, Thos., & Co.  
Valda Pastilles  
Warrick Bros.

**PEPPERMINT OIL**  
Bing, M. & A. C.

**PERBORATE OF SODA**  
Prescott & Co.

**PERFUME MATERIALS**  
Bush, W. J., & Co., Ltd.  
Delvendahl & Kuntzel  
Hornor & Sons  
Lautier Fils  
Naef, M., & Co., Succrs.  
Sohimmel & Co.  
Schwarz, A. W.  
Varaldi, F.  
Wright, Layman & Umney, Ltd.  
Zimmermann, C., & Co.

**PERFUMES**  
Allen & Hanburys, Ltd.  
Atkinson, J. & E., Ltd.  
Baies Bros. & Stevenson, Ltd.  
Barclay & Sons, Ltd.  
Bronnley, H., & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Christy, T., & Co.  
Erasmo Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Haliflor Co.  
Hewlett, C. J., & Son  
Hovenden, R., & Sons, Ltd.  
John Strange Winter  
Lescot Perfumery Co.  
McCracken, J. & R.  
Newbery, F., & Sons, Ltd.  
Piver, L. T.  
Quelch, H. C., & Co.  
Rivers, Hill & Co., Ltd.  
Southall Bros. & Barclay, Ltd.  
Vinolia Co.  
Warrick Bros.  
West, T., & Son  
Wolf, F., & Sohn

**PESSARIES (SOLUBLE)**  
Burge, Warren & Ridgley, Ltd.  
Rendell, W. J.

**PETROLEUM JELLY**  
Chesebrough Mfg. Co.  
Gardner & Andrew  
Schliemann's Oil & Ceresine Co.  
Stern, Sonneborn Oil Co., Ltd.

**PHOTO. CHEMICALS**  
Boehringer, C. F., & Soehne  
Griffin, John J., & Sons, Ltd.  
Johnson & Sons (Mfg. Chts.), Ltd.  
Reitmeyer & Co.

**PHOTO. GOODS**  
Barclay & Sons, Ltd.  
Burroughs Wellcome & Co.  
Evans Sons Lescher & Webb, Ltd.  
Express Developing Co.  
Iford Ltd.  
Kent, G. B., & Sons, Ltd.  
Lennon, Ltd.  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Oppenheimer, Son & Co., Ltd.  
Sylvax Photo Works.

**PHOTO. RUBBER GOODS, &c**  
Altinroham Rubber Co.

**PLASTIC MODELS**  
Knox, Walker (J.), & Co.

**POSTAL BOXES**  
Robinson & Sons, Ltd.

**PLASTERS**  
Alcock Mfg. Co.  
Berliner, Arthur  
Dalmas, A. de St., & Co.  
Leslies, Ltd.

**PILL MAKERS**  
Allen & Hanburys, Ltd.  
Asche, C. F., & Co.  
British Drug Houses, Ltd., The  
Cox, A. H., & Co., Ltd.  
Davies, Sons & Co.  
Howards & Sons, Ltd.  
Lloyd, T. Howard, & Co.  
Standard Tablet & Pill Co., Ltd.  
Wand Manfg. Co.  
Wyleys, Ltd.

**PLEATED PAPER**  
Larter, Wilkinson & Co.

**"POISON" BAND**  
Smith Bros. & Co.

**POLISHES (VARIOUS)**  
Bradley & Bourdas  
Oakley, J., & Sons, Ltd.

**POSTERS**  
Ford, Shapland & Co.

**PRINTERS**  
Ford, Shapland & Co.  
Harrison & Waide  
Sattley & Silverlock, Ltd.  
Townsend, J., & Sons

**PRINTING PRESS**  
Paragon Press Co.

**PROPRIETARY ARTICLES**  
Ashton & Parsons, Ltd.  
Barclay & Sons, Ltd.  
Beecham, T.  
Bow's Linament, Ltd.  
British Drug Houses, Ltd., The  
Burgess, E.  
Chameleon Oil Co., Ltd.  
Christy, T., & Co.  
Clark, Cicero S.  
Crimson Cross Dispensary  
Daisy, Ltd.  
Danyes Virns, Ltd.  
Davenport, J. T., Ltd.  
Edwards, W., & Son  
Evans Sons Lescher & Webb, Ltd.  
Faulding, F. H., & Co.  
Fellows' Med. Mfg. Co.  
Fennings, Alfred  
Ferris & Co.  
Fox & Co. (Liverpool), Ltd.  
Freeman's Chlorodyne, Ltd.  
Fullford, C. E., Ltd.  
Goodall, Backhouse & Co.  
Harrison, Geo. W.  
Henry, T. & W.  
Hughes, E. Griffiths  
Ichthyol Gesellschaft  
Kay Bros., Ltd.  
Knutow, S., & Co., Ltd.  
Lalor's Phosphodyne  
"Lemco" and "Oxo"  
Lofthouse & Saltmer  
"Lu-Ku" Co.  
Maackenzie's Cure Depot  
Martindale, W.  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
Odol Chemical Works  
Oppenheimer, Son & Co., Ltd.  
Owbridge, W. T., Ltd.  
Phillips, Chas. H., Chem. Co.  
Resinol Chemical Co.  
Richter, C., & Co.  
Riedel, J. D., Co.  
Sangers'  
Sargol, Ltd.  
Schimmel & Co.  
Scott & Bowne, Ltd.  
Smith, Lewis  
Squire & Sons  
Standard Tablet & Pill Co., Ltd.  
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Udal Works  
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Warner Oliver, Ltd.  
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Wright, Layman & Umney, Ltd.  
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Burroughs Wellcome & Co.  
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Howards & Sons, Ltd.  
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**RESIN AND RESINOIDS**  
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**RENNET**  
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Burge, Warren & Ridgley, Ltd.  
Haywood, J. H., Ltd.  
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Maw, S., Son & Sons  
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**SACCHARIN**  
Saccharin Corporation, Ltd.  
**SAMPLE CASES**  
Keane, Thomas

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Bush, H. W., & Co., Ltd.  
Southall Bros. & Barclay, Ltd.

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Smith, B. A., & Co.

**SAPONIN**  
Field, C. W.

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Goodall, Backhouse & Co.

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Morson, T., & Son  
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Richter, C., & Co.  
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MoAdam & Tuckniss

**SHELLAC**  
Kershaw, H. E., Ltd.

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Pettifer, Stephen, & Sons

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Ayrton-Graham, Ltd.  
Bowling & Son  
Cook, George  
Evans Sons Lescher & Webb, Ltd.  
Grant, D.  
Josephs, Philip & Sons, Ltd.  
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Maw, S., Son & Sons  
Parnall & Sons, Ltd.  
Rudduck & Co.  
Sangers'  
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Wood, Vincent

**SOAP MATERIALS**  
Armour & Co., Ltd.

**SODA FOUNTAINS**  
Flugel & Co.

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Branner, Mond & Co., Ltd.  
Electrolytic Alkali Co., Ltd.  
Howards & Sons, Ltd.  
Mumford, G. S., & Sons

**SPARKLETS**  
Aerators, Ltd.

**SPECTACLES**  
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Darton, F., & Co.  
Maw, S., Son & Sons  
Nitsche & Gunther Opt. Co., Ltd.  
Raphael's, Ltd.

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Armour & Co., Ltd.  
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Bronnley, H., & Co., Ltd.  
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Chesebrough Mfg. Co.  
Cook, E., & Co., Ltd.  
Erasmo Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Fulford, G. E., Ltd.  
Hendrie & Co.  
Hovenden, R., & Sons, Ltd.  
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Lambert Pharmacal Co.  
Lescot Perfumery Co.  
Oakley, J., & Son, Ltd.  
Pears, A. & F., Ltd.  
Peat Products (Sphagnum), Ltd.  
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Resinol Chemical Co.  
Vinolia Co., Ltd.  
Wolf, F., & Sohn  
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Toogood, Wm., Ltd.

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Hobson, Joseph, & Son

**STARCH**  
Mumford, G. S., & Sons

Wood, Chas. E.

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Bennett, Sons & Shears, Ltd.  
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Stipendium Stopper Co.

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**DRESSINGS**  
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Waime, W., & Co., Ltd.

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Hoffmann-La Roche, Ltd.

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Camwal, Ltd.  
Idris & Co., Ltd.  
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Schwarz, A. W.  
Wright, Layman & Umney, Ltd.  
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Asche, O. F., & Co.  
Bishop, Alfred, Ltd.  
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Cartwright, W. B., Ltd.  
Cox, A. H., & Co., Ltd.  
Davies, Sons & Co.  
Duncan, Flockhart & Co.  
Jackson, E. E.  
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Martindale, W.  
Parke, Davis & Co.  
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Wand Manfg. Co.

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Griffin, John J., & Sons, Ltd.  
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Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Newbery, F., & Sons, Ltd.  
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Osborne, Garrett & Co.  
Queloh, H. C., & Co.  
Papier Poudre, Ltd.  
Parke, Davis & Co.  
Piver, L. T.  
Rivers, Hill & Co., Ltd.  
Sangers'  
Softo Manfg. Co.  
Solport Bros.  
Standard Tablet & Pill Co., Ltd.  
Velix Toilet Co.  
Vinolia Co.  
Warner Oliver, Ltd.  
Woollev, J., Sons & Co., Ltd.

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Boehringer, C. H. Sohn

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# EXTRACT OF MALT

OF FINEST QUALITY

# EXTRACT OF MALT

WITH COD LIVER OIL

NEATLY PACKED.



**F**REE PACKAGES .... 8-oz. Jars, 4/- per doz.  
**F**REE SHOWCARDS 1-lb. Jars, 6/-  
**F**REE DELIVERY .... 2-lb. Jars, 10/6

Minimum, 3 dozen.

PACKED IN PATENT JARS.  
 OWN NAME ON LABEL.

Have you ordered  
 your Lung Tonic  
 yet?

*Davies, Sons & Co*

Manufacturing Chemists,  
 THE BRIDGE STREET, DERBY.





To brethren of the craft  
in all parts of the world

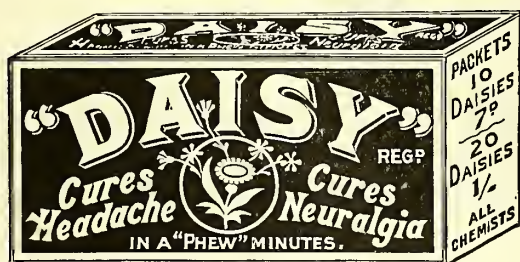
THE CHEMIST & DRUGGIST

sends hearty good wishes  
for a jovial Christmastide  
and a New Year of  
unexampled prosperity.

*42 Cannon St., London, E.C. Dec. 23, 1911.*

Branch Offices:

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XMAS 1911.

Nineteen years old  
and more popular  
than ever.

To all friends and  
admirers in the Drug  
trade a

Merry Xmas  
& a Prosperous  
New Year.

NEW YEAR 1912

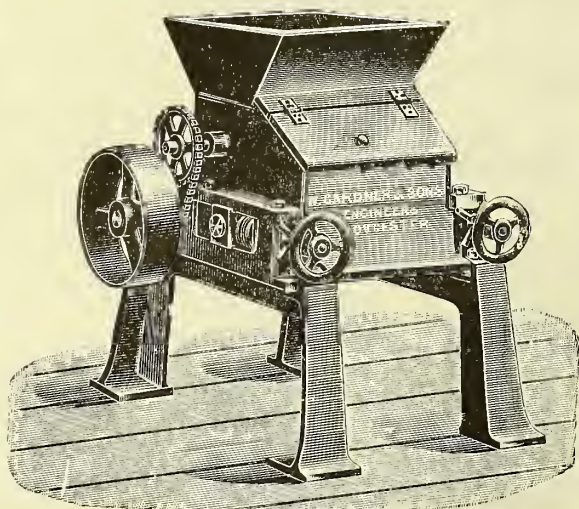
**"Daisyfoam"**  
SHAMPOO



1911—1912

# The Season's Greetings.

*As for Fortune you're **Crushing** and **Straining**  
To prevent **Mix-ed** worries and ills  
Let "Gardner's" **Sift** all the misfortunes remaining,  
And **Grind** them to dust in their **Mills**.*



Gardner's Crushing or Grinding Mill

**GARDNER'S PATENT  
"RAPID" SIFTERS &  
MIXERS,  
POWDER-DRESSING  
MACHINES,  
GRINDING MILLS,  
LIQUID STRAINERS,  
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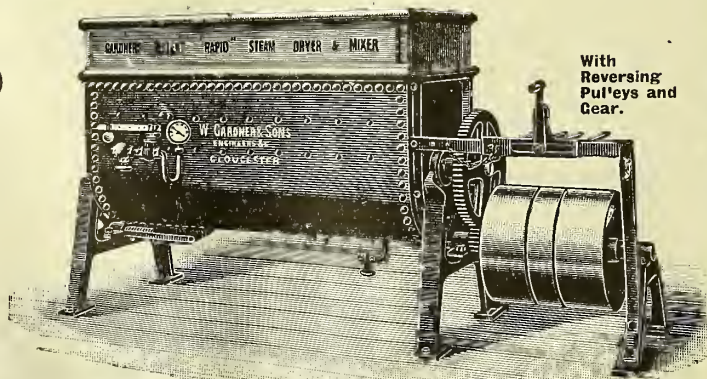
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**Powder-Sifting &  
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Specialists,**

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Tel. No. 117,|

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With  
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Pulleys and  
Gear.

Evaporates Moisture from Powders, and occupies little space.  
Made for Steam or Gas Heating.



HEARTY  
GOOD WISHES FOR  
**A MERRY XMAS**  
AND A  
**PROFITABLE**  
**NEW YEAR**  
TO ALL IN THE  
DRUG TRADE.

MAKERS OF  
DECORATED  
TIN  
CANISTERS.

IMPORTERS  
& GRINDERS  
OF DRUGS  
& SPICES.

PACKERS OF  
CULINARY  
ESSENCES,  
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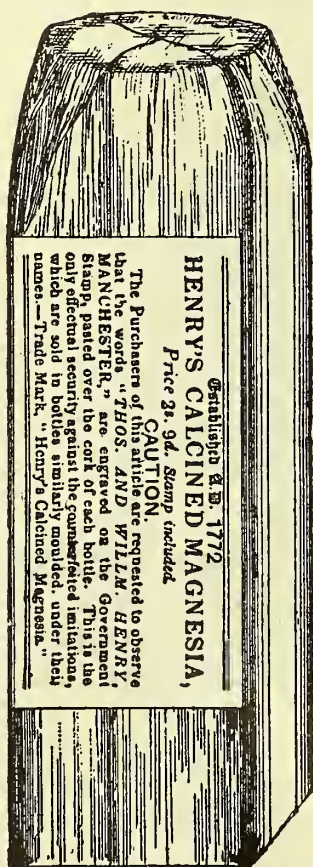
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WHITEHORSE STREET,  
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Estab. 1772.

New Year 1912.

# HENRY'S CALCINED MAGNESIA



140 YEARS AGO THERE WAS PLACED ON THE MARKET A CALCINED MAGNESIA, WHICH IS STILL RECOGNISED AS A PRODUCT OF THE HIGHEST CHEMICAL PURITY. "HENRY'S" IS STILL THE STANDARD FOR THIS CLASS OF PRODUCTS.

**HEARTY GOOD WISHES  
TO ALL IN THE  
DRUG TRADE FOR  
PROSPERITY AND  
HAPPINESS IN 1912.**

---

## Thomas & William Henry,

11 EAST STREET, ST. PETER'S, MANCHESTER.





**THE EMBLEM  
OF PROSPERITY  
AND HAPPINESS  
FOR CHEMISTS  
IN THE NEW YEAR.**

**The Compliments of the  
Season to all our friends.**

*Horlick's Malted Milk Co.,  
Slough, Bucks.*



1911

**A  
MERRY  
CHRISTMAS  
TO ALL OUR  
FRIENDS.**

1912

**A  
PROSPEROUS  
NEW YEAR  
TO ALL OUR  
FRIENDS.**

Combs  
Tooth  
Nail &  
Hair  
Brushes  
Perfumery  
Tobacco  
& Pipes  
&c.

Registered  
Trade Mark.



THIS MARK  
HAS STOOD  
FOR QUALITY  
FOR OVER  
100 YEARS.

Cutlery  
Fancy  
Leather  
Goods  
Toilet  
Soaps  
Manicure  
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&c.

**FULL STOCKS OF  
ABOVE ALWAYS  
ON SHOW.**

**West End Establishment.**



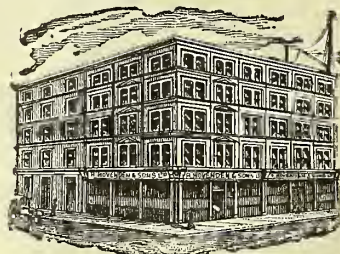
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SYSTEMATIC COURSES OF LECTURES,  
CLASSES & PRACTICAL TUITION  
FOR THE PHARMACEUTICAL EXAMS.

Xmas 1911

New Year 1912

SEASONABLE GREETING TO  
"LONDON" MEN THE WORLD OVER &  
BEST WISHES FOR PROSPERITY IN THE  
NEW YEAR

THE NEXT COMPLETE COURSES  
FOR MINOR & MAJOR STUDENTS  
BEGIN

JANUARY 3<sup>RD</sup>, 1912

Syllabus and full particulars from the Secretary

London College of Chemistry

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ESTAB.



1780.

THE DISTINGUISHING MARK FOR  
ALKALOIDS OF OPIUM, FINE  
CHEMICALS AND ANTISEPTIC  
DRESSINGS.

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*Xmas 1911*

J. F. Macfarlan & Co. send  
the season's greetings to  
Pharmacists and all in the  
Drug and Chemical Trades  
throughout the world.

---

MORPHIA, CODEIA, APOMORPHIA,  
MORPHIA ESTERS, CHLOROFORM, ETHER,  
SALICIN, CHRYSAROBIN,  
LISTER ANTISEPTIC SURGICAL DRESSINGS.

---

Edinburgh

London



No. 10



THE HOUSE OF MAW,  
LONDON,

Dec. 23rd, 1911.

To Pharmacists everywhere, Greeting! We ask *all* to accept our best wishes for Xmas. We look back with pleasure on every day of the fast closing year. We have made many new friends, and many old friends have been brought into closer touch with this House, which, by its traditions, accepts these happy relationships as something more than a Bond of Business.

As with the past, so with the future. That 1912 may prove to you a year of Progress and Prosperity is the sincere wish of the House of Maw.





This is the mark  
that means to Chemists

FREE PACKAGES  
NO TRAVELLERS  
and  
EXPENSES SAVED

on Druggists' Sundries,  
Photographic Goods,  
Proprietary Articles.

*Xmas 1911*

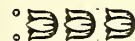
*New Year 1912*

*We thank our friends in the Drug  
Trade for their many favours in  
the past and wish them increased  
Prosperity and Happiness in the future.*

MAY, ROBERTS & CO.  
(LIMITED).

LONDON &  
DUBLIN.





From the Home of  
Druggists' Sundries



Proprietary Medicines.

# GREETING

TO THE DRUG TRADE  
ALL OVER THE WORLD,  
AND BEST WISHES  
FOR


PROSPERITY & HAPPINESS  
IN THE COMING YEAR

1911-1912

---

Francis Newbery & Sons, Ltd.

27-28 Charterhouse Sq.,  
LONDON, ENGLAND.



TRADE MARK


LEHCARESQ<sup>TM</sup>

Papier Poudre

# Papier Poudre

and  
Poppet (Regd.)  
preparations

REGISTERED



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TRADE MARK

PAPIER POUDRE, LTD.  
23, Somerset Street, London, W.  
and in Paris.

*The World Known  
Trade Marks.*


XMAS 1911.

NEW YEAR 1912.

Thanks and best wishes to Chemists  
all over the world for a

## JOVIAL CHRISTMASTIDE & A HAPPY NEW YEAR

REGISTERED




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TRADE MARK



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Lion

THE BRAND FOR  
ROOTS, HERBS &  
BARKS.

XMAS 1911.

*“May this Christmas be the merriest  
and the New Year the happiest  
you have ever experienced.”*

THE WISH FOR  
OUR FRIENDS IN THE  
DRUG TRADE ALL OVER THE WORLD!

**Potter & Clarke**  
60-64 ARTILLERY LANE LTD.  
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THE HOUSE FOR  
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SPECIALITIES,  
CACHOUS, JUBES, &c.

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(5 lines.)

# *Sangers*

*send thanks to Chemists and  
all connected with the Drug  
Trade in all parts of the World  
and wish them each and all*

*A MERRY CHRISTMAS  
AND  
A PROSPEROUS NEW YEAR*

• DDDD • EEEE •

DRUGGISTS'  
SUNDRIES  
AND  
SHOP FITTING.

*258 Euston Rd.,  
London, N.W.*

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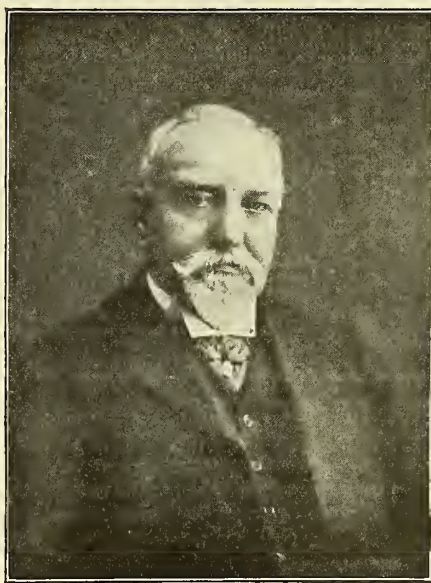
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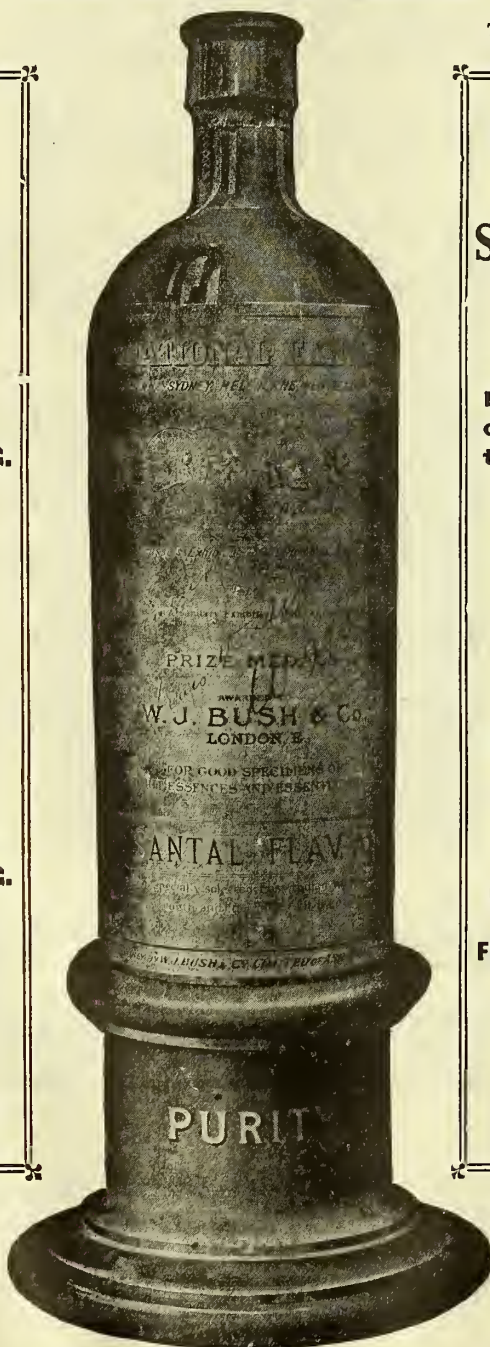
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is one of the most effective ways of securing prompt and direct business, particularly from buyers abroad. For instance, a large buyer in some busy centre thousands of miles away from London has placed before him

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#### In the Winter Issue, 1912,

with the Publisher, should write to him at once, as the publication date is January 27.

## Summary of this Issue.

The more notable items only are dealt with.

#### Greeting.

"A Merry Christmas to you all."

#### Articles and Communications.

Some useful observations on the killing of cats are printed on p. 63.

A third series of new formulas for the "National Formulary" is printed on p. 51.

A dozen prescription-problem solvers will receive book-prizes from the C. & D. this week (p. 45).

Fifty years ago "the careless manner in which consultants write their prescriptions" was commented upon in "The Times" (p. 64).

Japanese trade was exceptionally good last year. We comment upon it, our remarks being based on the official report just to hand (p. 49).

The Sales for Agricultural Purposes Bill has passed the House of Lords, and must henceforth be treated more seriously by the drug-trade. It affects chemists' interests closely. See the article on p. 50.

The C. & D. *Diary* is the subject of much appreciation. "Xrayser II." also writes about it (p. 47), and we give a first instalment of synthetic sentences on p. 46. The making of these is a good Christmas pastime.

#### National Insurance Act.

Viscount Haldane spoke rather contemptuously of chemists when Lord Weardale moved his pharmaceutical amendments (p. 42).

The spirit of these remarks has had to be contended with by pharmaceutical representatives since the measure was introduced.

The latter observation sums up our article on the six cardinal principles which medical men are making a parrot-cry. Four of these principles are actually provided in the Act, and the other two are arranged for in it (p. 48).

Chemists and druggists are beginning to line up with the view of making the dispensing of medicines under the Act a success. Among communications on the subject is one from Mr. J. B. Francis, of Wrexham (p. 62).

Various events connected with the measure are reported on pp. 35 and 36, including a stormy meeting of doctors in London. The names of the Scottish Commissioners are mentioned on p. 37, and of the Welsh Commissioners on p. 42.

#### News of the Week.

Mr. Justice Joyce refuses to allow Lacto-bacilline to be registered as a trade-mark (p. 39).

Subjects of commercial legislation in the next Session of the British Parliament are foreshadowed on p. 43.

An application for an interim injunction to restrain the use by the Charles H. Phillips Co. of a public analyst's certificate was refused by Mr. Justice Swinfen Eady (p. 40).

The retail drug-trade is fond of dining in public. We report several dinners on pp. 54-5, one of them being illustrated by Mr. Granville Shaw.

The Shops Bill became an Act last Saturday, with an important modification as regards Ireland, which Mr. Glynn Jones protested against (p. 42). We note that medicines for cases of illness may be supplied at any time (p. 50).

Rarely are we called upon to report in one issue the deaths of so many men connected with chemistry and pharmacy. They include Mr. C. E. Dohme, of Baltimore; Dr. John Muter, the noted analyst and pharmaceutical teacher; Mr. J. C. C. Payne, of Belfast, a past-President of the British Pharmaceutical Conference; and Mr. J. Claxson Preston, a leading wholesale druggist (p. 56).

#### Trade and Market Matters.

A Bill levying a Customs duty of about 5*d.* per kilogram on sheep-dips and specifics for the cure of scab in cattle has been passed by the Uruguayan Legislature.

Alterations in values include a decline of 10% per ton in British and foreign glycerin. Pyrogallie acid, lithium carb., and ammon. carb. are dearer. Castor oil, citric acid, lemon oil (c.i.f.), valerian, shellac (auction), isinglass, and soda-crystals for home consumption are cheaper. Pure ethers are 1*d.* dearer for next year (p. 59).



## ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

### Brevities.

The Portmadoc Urban District Council has, on the recommendation of the medical officer, decided to stock a quantity of diphtheria anti-toxin.

Damage to the extent of several hundred pounds was caused by fire and water on December 15 at the premises of Boots, chemists, Park Street, Walsall.

A fire occurred on December 19 at the premises of Allen & Hanburys, Ltd., Blanket Row, Hull. Fortunately the flames were subdued without serious damage being done.

A chimney beam became ignited on December 12 at the premises of Mr. E. H. Slater, chemist and druggist, High Street, Epping, but fortunately the fire was speedily subdued.

The appointment of Mr. H. M. Middleton, M.Sc., as Demonstrator in Chemistry at Technical College, Bradford, is recommended by a Special Sub-Committee of the Town Council.

Hazlehurst's soap-works, Runcorn, which were established in 1816 and absorbed by the United Alkali Co. in 1890, have now been acquired by Lever Bros., of Port Sunlight.

Much sympathy is to be extended to Mr. M. W. Jenkins, chemist and druggist, St. Clears, whose daughter Olive, aged three, was run over and killed by a farmer's horse and trap on December 19.

The "Daily Mirror" for December 20 prints a photograph of a bat which was caught in the kitchen attached to the pharmacy of Mr. G. P. Pond, chemist and druggist, Fleet Street, London, E.C.

A van belonging to Martin, Ltd., chemists, was overturned in Yarborough Road, Lincoln, on December 12, owing to a wheel catching in a manhole. The driver, who fell under the van, escaped with a shaking. The damage done to the van and contents is estimated at 10l.

The Red Cross Voluntary Aid Detachment at Wimbledon has obtained the services of four of the local chemists—Messrs. Blanchford, Bowen, Bowden, and Pretty—as pharmacists on the reserve. These, with the doctors, are going through stretcher drill, although this training is not compulsory on the pharmacists.

The Merthyr Coroner inquired recently into the death of Mr. William George Davies, formerly in business as a chemist in Victoria Street, Dowlais. The jury returned a verdict of found dead. Mr. Davies served an apprenticeship with Mr. R. P. Rees, chemist and druggist, Dowlais. He gave up business on the death of his father in a pit accident and had since lived the life of a recluse.

A livery dinner of the Spectaclemakers' Company was held at De Keyser's Hotel, London, E.C., on December 20. The Lord Mayor (Sir T. B. Crosby) was the guest of the evening, and in proposing the toast of "The Spectacle-makers' Company," he told how, in his student days, he was fitted with bifocal spectacles, which had since been of the greatest service to him. Among the chemists present at the dinner were Lieutenant-Colonel Clifford Probyn, Mr. A. Upson, and Mr. J. Harcombe Cuff.

Speaking at the Exeter Chamber of Commerce meeting on Monday, December 18, Mr. H. Wippell Gadd said the National Insurance Act, as passed, was much better from the pharmaceutical point of view than the Bill as originally introduced; but there is still room for the drug-trade of this country to be snuffed out if this Act was administered in a certain way. Mr. Gadd was supported by Mr. P. F. Rowsell and Mr. J. Hinton Lake, and a committee which has had the matter in hand was asked to continue its services.

The Hampshire medical officer, Dr. R. A. Lyster, again deals with "unqualified practice" in his annual report. It is stated that since his last report he has received abundant confirmatory evidence on the subject. One is then referred to the report of the medical officer for

Kingsclere Rural District, who writes: "Chemists' prescribing is much on the increase in our district, and both parish and district nurses have become unqualified practitioners in both medicine and minor surgery." Dr. Lyster considers that legislation to prevent unqualified practice of any kind would prove itself to be one of the most important of the Public Health Acts. He continues: "The present position, when endowments are forthcoming for a 'maggatorium for consumptives' and a retired gymnast is accepted as a fashionable high priest of health, is certainly not encouraging."

### Poison-licences.

Mr. Wm. Bruton, ironmonger, Cossack Square, Nailsworth, has applied to the Gloucestershire County Council for a poison-licence.

The Bath City Council's Finance Committee decided on December 19, despite the protest of local chemists, to renew the existing poison-licences.

### Analysts' Affairs.

The Greenwich Borough Council has reappointed Mr. Arthur Edgcome Brown, B.Sc., F.I.C., 37 Lombard Street, London, E.C., as public analyst for one year at a fee of 10s. per sample, the number of samples to be submitted not exceeding 400 for the year.

The Southampton analyst, in his last quarterly report, states that the vendor of a sample of olive-oil informed the purchaser that it was not "olive-oil" but sweet-oil. The analyst adds: "There does not seem to be a definite oil sold as sweet-oil, and the name is obsolete. Under these circumstances no proceedings could be taken."

### Contracts.

Hull Guardians.—Mr. Jones appointed druggist to the workhouse for six months.

Romsey Guardians.—Mr. F. Oram, Ph.C., Romsey, for drugs and surgical dressings.

Portsmouth Guardians.—Newton, Chambers & Co., Ltd., for the supply of izar at 5s. 6d. per gal.

Southampton Guardians.—W. Bates & Company, chemists, Southampton, for drugs, chemicals, etc.

Longton Cottage Hospital.—Mr. R. Prince, Ph.C., Longton, for drugs; Robinson & Sons, Ltd., for dressings.

Metropolitan Asylums Board.—G. B. Kent & Sons, for a bulk supply of tooth brushes. The value of the contract is under 100l.

Bradford Corporation.—The tender of the United Alkali Company, Limited, for 20 to 24 tons of calcium chloride at 2l. 7s. 1d. per ton is recommended for acceptance.

Government Contracts.—*War Office*.—Cuxson, Gerard & Co., Ltd., and Darton, Gibbs Co. for field dressings. *India Office*.—Duncan, Flockhart & Co. for chloroform; C. Tennant, Sons & Co., for soda.

Aberystwyth Town Council.—Alderman E. P. Wynne protested at a meeting of the Council on December 15 against the purchase of sanitas outside of the town. He stated that it could be purchased locally at the same price. The Council decided that tenders should be obtained locally for the goods required.

### Fairchild Scholarship and Prizes.

The syllabus for 1912 is now ready, and copies of it can be obtained from the Secretary to the Committee of Trustees, Mr. A. E. Holden, Albert Chambers, 64-65 Holborn Viaduct, London, E.C. A competition will be held in July 1912 at Belfast, Cardiff, Edinburgh, London, and Manchester for a scholarship to the value of 50l. and four prizes of 5l. each. Persons who are eligible for entering for the Minor examination in Great Britain or the Pharmaceutical Licence examination in Ireland may compete. The subjects are elementary chemistry, elementary materia medica, practical pharmacy and prescription-reading, and elementary business knowledge. Full details are given in the syllabus, copies of which will be sent by Mr. Holden on application. It will be noticed that Belfast is to be the centre for Irish candidates next year in alternation with Dublin, a change which must be justified by results if it is to be permanent.



**Liverpool Notes.**

Liverpool chemists are making splendid use of their windows this year for Christmas displays. They are more than determined seriously to compete with the large departmental stores for a fair share of the Christmas trade in perfumery, toilet-soaps, and other seasonable gifts.

In the city Mr. J. Hy. Robinson, "chemist-perfumer," of the Exchange Pharmacy, has a window-display which is deliciously entrancing. The whole window is draped in cardinal silk, and presents a lattice front of narrow cardinal silk ribbon, the back being hung in festoons of the same material, bunched up at intervals, with closed theatrical puffs and chrysanthemums. The bottom of the window is covered with cotton-wool, over which is strewn holly and evergreens to give it a Christmas effect. Glass vases filled with varied coloured roses show off to great advantage the cases of perfumery, silver-topped smelling-bottles, and cut-glass sprays with which the window is filled. Mr. Hardy, of the St. George's Pharmacy, has a tastily dressed window of cases of perfumery, vacuum-flasks, and safety razors which look very clean and bright and should command sales. Messrs. Bain & Co., of the Quadrant, make a special show of their "Quadrant" series of perfumery, as well as cameras, vacuum-flasks, and toilet-soaps. Messrs. R. & J. Herman, of Parker Street, are another example of energetic pharmacists, and their perfume display looks well. Their speciality is "French original perfumes, as imported," which should make business. Messrs. McGuffie & Co. have a display of lavender-water, perfumes, and manicure-sets. The "Duma" perfume which they are showing should appeal to the Russians and Poles who pass through Liverpool. Messrs. Thompson & Capper have a varied perfume display which arrests the attention. Messrs. Symes, Ltd., of Bold Street, Mr. Lawrence, of Great Charlotte Street, and Mr. Vincent Strawson, of Moss Street, have also special Christmas displays.

In the suburbs Messrs. Clubb & Co. have Christmas displays at their various branches. The windows of Mr. G. V. C. Last, Lodge Lane, strike an original note which looks well, the perfumery display being of a high order, to suit the residents of this good-class district. Mr. Prebble, of Kensington, has a good display of perfumery, soaps, and vacuum-flasks. Mr. Harold Lomax, of the Jubilee Pharmacy, Edge Lane, displays combination boxes of soap and perfume, cameras, and perfumery, and one window is devoted solely to a display of 1,000 tablets of toilet-soap. Mr. Thomas Lloyd, of Holt Road, Mr. Pickering Jones, of Smithdown Road, Mr. Moreton Parry, of Oakfield Road, and several others have made an effort to catch the public eye by showing in their windows goods which are well suited for Christmas presents.

The materia medica collection at Liverpool University has been increased by 232 new specimens of drugs, the most notable being a number of synthetic remedies from Messrs. Meister, Lucius & Bruning, a good collection of alkaloids and fine chemicals from the Hoffmann-La Roche Company, and exchanges made with the Pharmaceutical Society, who, in addition, have given upwards of 200 printed labels for the specimens of drugs at present in the museum. This department has also issued synthetic remedies for trial, and a number of leguminous seeds for an investigation on their mucilage content.

**Manchester Notes.**

The old-established chemists' sundries business of Quilliam & Co., Victoria Bridge, was taken over last week by a private limited company, several members of which are Manchester retail chemists. Mr. J. Johnson, lately with Henderson Bros. & Co., London, is the manager.

There was not a great deal of enthusiasm displayed at the meeting on December 13 by the younger generation of budding pharmacists. The formation of an Assistants' Association seems a difficult task, judging by previous efforts, but, considering the help offered by the parent Association, it ought to be accomplished.

The Christmas windows of many of the Manchester chemists are poor attempts, very few making a good display of perfumery. The stores seem to have knocked the

heart out of pharmacy proprietors, as far as perfumery goes. The city pharmacies have some very neat shows, but seem to be specialising on one particular brand. Hair-brushes are being more prominently displayed.

**Midland Notes.**

Mr. Alfred Bird's parliamentary salary was distributed last week among the charities of Wolverhampton by a small committee of local magnates.

At ten o'clock on Friday night, December 14, a fire was discovered on the premises of Boots, Ltd., Park Street, Walsall. The fire brigade quickly turned out, and in about half-an-hour succeeded in extinguishing the fire, which originated in a store-room on the top floor. The damage done is not serious, although much stock was in the room.

A curious story is going the round in Birmingham. A man having about an acre of garden was told that mercury chloride is a good thing to kill worms and grubs. On inquiry at the dealer's he was told that he could not have less than 7 lb. of the commodity as it was a poison. This quantity he purchased, paid for it, and distributed the lot over his plot!

The purity of linseed oil is of great importance to many of the Birmingham industries. It has been the subject of examination by the city analyst and his assistant, whose results, especially with regard to the Levache test, were embodied in a paper read before the local branch of the Society of Chemical Industry last week. A useful discussion followed, in which doubt was expressed whether the test does actually determine the purity of the oil or only its power to dry on exposure to air in the presence of lead oxide. There were several pharmacists present, including Mr. Mann, who was congratulated by all his friends on his B.Sc. success.

**Sheffield Notes.**

Mr. T. Dobb, pharmaceutical chemist, of West Bar, Sheffield, has leased Brookfield Manor, near Hathersage, Derbyshire, a large shooting-estate, the property of the late Mr. Connell.

Considerable sensation has been caused locally by the sandbagging, on December 16, of Mr. Herman A. Molz, drug-store proprietor, of 91 Upper St. Philip's Road, Sheffield. Mr. Molz was attacked by three men when nearing home and his handbag snatched away. Two of his neighbours caught the man, named Rooker, who had taken the bag. Rooker and two others, named William and George Bower, have been committed for trial in connection with the outrage. The bag did not contain any money.

**Protests against the National Insurance Bill.**

A resolution condemning the National Insurance Bill was passed at a meeting of over 1,000 business men and employers held at the Cannon Street Hotel, London, E.C., on December 15. The meeting pledged itself to use every endeavour to secure the postponement of the Bill. Among the organisations represented was the Chemists' Assistants' Reform Union.

Sir William Ramsay has received 118 replies from Fellows of the Royal Society of London in response to his suggestion that the Fellows should demand the postponement of the Insurance Bill and "protest against the present system of oligarchical government by cabinet." Only two of the replies are opposed to protesting, the remaining 116 signing the protest. The chemists and medical men in the list are: Sir T. Lauder Brunton, Sir A. S. Church, Sir David Ferrier, Sir T. R. Fraser, Sir W. R. Gowers, Sir John Kirk, Sir William H. Power, Sir William Ramsay, Sir W. A. Tilden, Mr. R. B. Baker, Mr. H. C. Bastian, Professor J. T. Cash, Dr. J. Cleland, Professor J. N. Collie, Professor A. W. Crossley, Mr. H. J. H. Fenton, Dr. M. O. Forster, Mr. W. H. Gaskell, Mr. C. E. Groves, Professor W. N. Hartley, Professor J. T. Hewitt, Professor F. R. Japp, Professor F. S. Kipping, Dr. E. E. Klein, Professor J. N. Langley, Mr. A. S. Lea, Mr. A. Liversidge, Mr. H. McLeod, Professor R. Meldola, Professor W. Odling, Dr. Daniel Oliver, Mr. A. G. Perkin, Mr. H. G. Plimmer, Professor W. J. Pope, Professor E. W. Reid, Mr. A. W. Reinold, Professor E. A. Schäfer, Mr. W. J. Sell, Hon. R. J. Strutt, Mr. J. F. Thorpe, and Professor Sydney Young.



Sir William Watson Cheyne, Bart., F.R.C.S., presided at a meeting of metropolitan medical practitioners which was held in the Queen's Hall on Tuesday afternoon, December 20. This meeting was the outcome of the recent protest by Dr. F. J. Smith, F.R.C.P., against the appointment of Mr. J. Smith Whitaker as Deputy Chairman of the English Insurance Commissioners. Sir W. Watson Cheyne was supported on the platform by many distinguished practitioners, including Sir William Church, Sir William Osler, Sir John Tweedy, and Sir A. P. Gould. Dr. F. J. Smith was the principal speaker, and moved:

"That this meeting of the medical profession is of opinion that the six cardinal points originally formulated by the British Medical Association are not guaranteed by the provisions of the Insurance Act in a manner which satisfies the profession."

This motion was seconded by Mr. Milton Townsend, who was followed by Sir Victor Horsley, F.R.C.S., but he was refused a hearing at first and even after the personal appeal of the Chairman he was frequently interrupted. The motion was carried almost unanimously, only six hands being held up against it. The next resolution adopted recommended that every medical practitioner should refuse to accept any office under the Act until their demands have been definitely conceded. While this motion was under discussion, Dr. Keay, a member of the Council of the British Medical Association, endeavoured to speak, but was shouted down. The motion was carried, and it was also agreed to send copies of the resolutions to Mr. Asquith and Mr. Lloyd George.

#### From Various Courts.

At Stockport recently, Joseph Bates was committed for trial on a charge of attempting to break into the pharmacy of Messrs. T. & W. Woodruff, chemists, 83 High Street, Cheadle.

At Portsmouth on December 18, two boys, named William Redding and William Scorey, who were summoned for stealing a bottle of scent, value 4s. 6d., the property of Timothy White Co., Ltd., were discharged with a caution.

At the Central Criminal Court, London, on December 19, Charles Louis Lumley (60), medical practitioner, was found guilty of manslaughter and sentenced to seven years' penal servitude for performing an illegal operation on Eleanor Mabel Gorrington.

Dr. Waldo inquired at Southwark this week into the death of Thomas William Fox (51), foreman ice-porter, who died from blood-poisoning. During the evidence it was stated that deceased's thumb had been injured and treated by a herbalist. Mrs. Mary Ann Hummerstone deposed that she was not a herbalist but a seller of healing ointments, and often dressed cuts for ice-porters. The ointment referred to was called "The Celebrated Heal-all Ointment," and its composition was secret. Here Dr. Saner, of Guy's Hospital, in reply to the Coroner, said some of these remedies may be valuable. The Coroner asked Dr. Saner if it would not be better for proprietary medicines to be labelled with the names of the ingredients used. Dr. Saner said: "I don't think that would help the public." The witness added that he believed the Government analysed all patent medicines.

At Bow Street Police Court, on December 19, Frederick Lionel Hooper, of the National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W., was summoned, before Mr. Marsham, for causing an obstruction to the footway. The evidence showed that the company had two model shops in the windows at their establishment—one to illustrate the way in which retail business was carried on one hundred years ago, and the other quite up to date, and furnished with cash registers, etc. These exhibitions, it was said, attracted so many people that many passers-by had to step on to the roadway. Mr. G. Herbert Head, who appeared for the defendant, contended that the company were entitled to give these exhibitions, as they were quite within the bounds of legitimate advertising. Mr. Marsham agreed to state a case, granting an adjournment of six weeks for that purpose.

## IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

#### Brevities.

Mr. W. J. McKane, Ph.C., has opened a new Medical Hall at King Street, Ballina.

Sir Wm. Baxter, Ph.C., President of the Pharmaceutical Society of Ireland, has been re-elected President of the Coleraine Young Men's Christian Association.

Dr. J. C. McWalter, Ph.C., has been appointed an examiner for the ensuing year at the professional examinations at the Apothecaries' Hall in materia medica and chemistry.

At the annual meeting of the Carrickfergus Unionist Club on December 15, Mr. Robt. Cambridge, registered druggist, President of the Chemists' and Druggists' Society of Ireland, was appointed vice-president.

Dr. T. Mathers Thomson, Ph.C., who resigned the management of Mr. George Brown's Medical Hall, Stephen's Green, Dublin, on becoming qualified as a physician and surgeon, has started a general medical practice at Harcourt Street, Dublin.

Mr. J. F. McCann, Ph.C., Inchicore, has been appointed to the newly created position of chemist to the Dublin Corporation, at a salary of 150l. It will be part of Mr. McCann's duty to assist Sir Charles Cameron in making analyses of water, sewerage, etc.

Messrs. Boileau & Boyd, Ltd., Dublin, have been appointed contractors to the Enniscorthy Asylum for the supply of drugs at 25 per cent. off list-prices. Messrs. Fannin & Co., Ltd., Dublin, have secured the contract for surgical appliances at 33 per cent. discount.

Mr. John McClement, J.P., chemist and druggist, Newtownards, co. Down, has been presented with an illuminated address by the members of the local Methodist Church on the occasion of his departure for Donaghadee. Mr. McClement has been connected with the Church for thirty-five years, and has filled the offices of circuit steward, class leader, local preacher, and Sunday School superintendent.

## SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

#### Brevities.

A big attempt is being made by the majority of chemists in Edinburgh to secure at least a portion of the Christmas trade. Several fine window shows are in evidence.

The Rev. John Anderson, of London Road U.F. Church, Edinburgh, who received a presentation from his congregation the other day, was formerly a chemist and druggist.

At a meeting of the members of the Co-operative Society at Crossgates, Fifeshire, the Chairman explained that the special committee appointed by the Dunfermline Co-operative Society had agreed with the local members as to the necessity of having a drug-store, and, in view of the National Insurance Act, they had made arrangements with Mr. McDonald, the head chemist, to visit Crossgates daily and take in prescriptions, while a full supply of patent medicines and drugs would be kept in the village store.

#### Aberdeen.

Mr. Adolf Muller, 184 West North Street, seed-merchant, has obtained a licence under the Poisons and Pharmacy Act, 1908, Section 2.

The public examination of A. Wells Berry, chemist and druggist, 52 Victoria Street, Aberdeen, was to have taken place at Aberdeen Bankruptcy Court on December 15, but the debtor was unable to appear. Mr. W. E. Bell, solicitor, the trustee under a trust deed granted in September by Mr. Berry, opposed the petition. Mr. Sinclair wished Mr. Berry to be examined in court, but the Sheriff granted a commission to the Sheriff-Clerk to examine him at home.



At the adjourned annual meeting of the Aberdeen Dispensary, Maternity Hospital, and Vaccine Institution held on December 14, the report of a special committee was submitted, in which it was stated that the committee were unanimously of opinion that the Dispensary should in the future be disjoined from the Maternity Hospital, and that, in the working of the Dispensary, proprietary and patent medicines should be discontinued, and every person receiving medicine should be asked to subscribe 2d. for each time medicine is supplied to them. After discussion the report was adopted, and the new arrangement will begin on January 1, 1912.

#### Scottish Insurance Commissioners.

The following appointments are announced of the Scottish Commissioners under the National Insurance Act:

*Chairman.*—Mr. James Leishman, Treasurer of the City of Edinburgh.

*Deputy-Chairman.*—Dr. John Christie McVail, M.D., LL.D.

*Commissioners.*—Mr. John McNicol, General Secretary, Loyal Order of Ancient Shepherds, Ashton Unity; Miss M. M. Paterson, H.M. Deputy Principal Lady Inspector of Factories.

*Secretary.*—Mr. John Jeffrey, Inspecting Officer, Local Government Board for Scotland.

#### British Pharmaceutical Conference.

The General Local Committee for the Edinburgh meeting of the British Pharmaceutical Conference, which consists of about 150 pharmacists in Edinburgh and district, including the Forth Valley and Border Counties, held a meeting at 36 York Place, Edinburgh, on Friday, December 15, for the purpose of appointing an executive committee. The following thirty-five gentlemen were appointed:

Messrs. J. L. Ewing (Chairman), Thos. Bayne, J. Brown (Melrose), G. H. Bristowe Care, George Coull, D.Sc., A. J. Day, Wm. Duncan, J. P. Gibb, J. A. Harkness, R. L. Hendry, J. Rutherford Hill, G. Lunan, John Muir, D. W. Nicholson, G. H. C. Rowland, Jas. Stott, G. Victor Wright, Robert Aitken, Peter Boa, D. Rainy Brown, W. Inglis Clark, D.Sc., Archd. Currie, D. B. Dott, J. A. Forret, W. A. Glass, J. S. B. Hedderley, Claud F. Henry, Andrew Hunter, Wm. Mair, James Nesbit, John Robertson, A. K. Stewart, J. Tait, George Somerville (Treasurer), and T. Stephenson (Secretary).

A skeleton programme has been drawn up subject to modifications, and the executive are to meet immediately after the New Year for the purpose of appointing sub-committees and arranging details.

## FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

**SACCHARIN.**—At a recent meeting of the Wholesale Druggists' Association, in reply to a complaint by M. Auge (of Lyons) as to the costly and dilatory formalities to be gone through in sending out small quantities of saccharin, M. Perrot (Secretary) stated that a request had been made that in the case of quantities of less than 500 grams sent by post, the postal authorities should undertake the necessary formalities, but up to the present this request has not been granted.

**WHEN ALL PARIS CAUGHT COLD.**—Daumier, the famous caricaturist of our grandfathers' days, to whom Marseilles is now raising a tardy statue, had an occasional "hit" at the French pharmacist, as a skit I saw recently in a print-shop attests. This dates from the "Retour de Cendres," so ably depicted in Lord Rosebery's book, "The Last Phase,"—the home-coming of Napoleon's remains from St. Helena. They were carried in pomp to the Invalides tomb on a bitter winter day, and "tout Paris" caught cold standing in bareheaded deference. This explains the gesture of the chemist's messenger who deposes his basket full of phials of coughstuffs and his huge bottle of "Sirop de mou de veau" to apostrophise the bust of the great Emperor. "De ton vivant tu nous faisais gagner des batailles et maintenant tu nous fais gagner des—rhumes de cerveau."

**REFORM OF THE MEDICAL CURRICULUM.**—Having dealt with the pharmaceutical curriculum some time since, the Government now proposes to reform the French system of medical study. The decree of January 11, 1909, which adds an extra year of study to the present curriculum, has not so far been put into force, but a Budget Committee has decided to demand 2,000,000f. (80,000l. sterling) from Parliament to enable this to be done. The general idea is to render practical laboratory work really obligatory, and to institute a student's notebook (*livret scolaire*), in which the marks he obtains in this practical work will be noted and taken into account when he sits for examination, and finally to extend hospital practice to the whole five years of study. The Students' Association has passed resolutions declaring that the new ideas are (1) impracticable, (2) ruinous, because in multiplying medical work they destroy clinical instruction and leave the student no time for personal study, (3) incomplete in certain details.

**EMPLOYERS' LIABILITY ACT.**—M. René Renoult, Minister of Labour, has presented to the President of the Republic an interesting report on the results of the French Employers' Liability Act of 1893 and 1903, accompanied by numerous statistical tables covering the period 1901-1910. The steady and general application of the system is sufficiently evident from their figures. In "Chemical Industries" the yearly number of accidents declared has increased from 9,963 in 1901 to 19,660 in 1910, and the proportion per 1,000 workmen from 108 to 149. The proportion of fatal accidents is high—0.5 per 1,000—and is only surpassed in metallurgical trades. In accidents by which a workman is permanently incapacitated, chemical industries stand fifth, with 1.2 per 1,000; in temporary or trifling accidents fourth, the figure, 145.8 per 1,000, being less than that shown for the timber, metal, and building trades. An examination of the "categories" of reported as injured shows that of the 102,413 adult males employed in chemical industries, 17,719 (173 per 1,000) received some injury; of 22,178 women, 1,060 (48 per 1,000); of 3,724 lads, 711 (191 per 1,000); of 3,118 girls, 170 (55 per 1,000). The Minister, in a concluding note, indicates the reforms which he hopes yet to realise. Among these are (1) a decree regulating the use of red-lead, and (2) a decree forbidding the manipulation, treatment, or use of cottonwool, gauze, taffetas, wadding, or other similar matters which have served as surgical dressings.

## COLONIAL AND FOREIGN NEWS.

**SWEDISH CHEMICALS.**—There are about 260 chemical factories in Sweden, not including 187 factories producing oils, tar, etc., and twenty match-making factories. Sulphuric acid is made in seven factories, caustic soda and bleaching-powder (articles which are mainly imported) in only one factory, and potassium chloride in two factories. There are two carbide of calcium factories, one in Alby and the other in Trollhattan, and 131 alcohol factories, including a number which distil alcohol from wood.

**BULGARIAN PHARMACOPŒIA COMMISSION.**—The Russian Pharmacopœia is the official standard for all medicines dispensed in Bulgaria, but for some time there has been a strong desire among pharmacists for a national work. The Government has now sanctioned the appointment of a Pharmacopœia Commission, to which will be entrusted the task of elaborating a Bulgarian Pharmacopœia, and has voted a credit of 800l. towards the expenses of the work. The commission consists of twenty members, mostly pharmacists.

**THE OPIUM CONFERENCE.**—Reuter's Agency reports that the International Opium Conference at The Hague on Tuesday, December 19, adopted five resolutions emanating from China demanding that steps should be taken to protect China against contraband trade in opium, morphine, etc.; that the Governments should introduce legislation for regulating the conditions of the sale of such drugs by chemists, the prohibition of their sale by unlicensed persons, and the suppression of opium dens, so



far as the foreign concessions and settlements in China are concerned. Junkheer P. T. Van Swinderen, the Vice-President of the Dutch Council of State, who opened the Opium Conference, died on December 19.

**SEYCHELLES ESSENTIAL OILS.**—The export trade in essential oils (derived from cinnamon-bark, clove-leaves, ylang-ylang, lemon-grass, and citronella) from Seychelles last year amounted to only 486 litres, valued at Rs. 2,268, so that the trade is capable of expansion. The labour and care required in this industry are considerable, but profits are at present too easily earned by other means to make it attractive. It has so far proved more profitable to export cinnamon-bark from the Seychelles than to distil it locally for cinnamon oil, and in 1910 731 tons of bark, valued at Rs. 50,443, were exported, as compared with 1,044 tons, valued at Rs. 72,574, in 1909. The bark is still derived mainly from old trees, which are practically wild, and as these are cut down after "peeling," the stumps throw up shoots which furnish a better quality of bark. The leaves from the felled old trees are distilled to some extent for the manufacture of cinnamon-leaf oil.

## AUSTRALASIAN NEWS.

"The Chemist and Druggist" is regularly supplied by order to all the members of nine Societies of Chemists in Australia and New Zealand, as well as to other Chemists in business there.

### New South Wales.

MR. W. S. PARK, Ph.C., Pitt Street, Sydney, writes to "The Chemist and Druggist of Australia" that he was apprenticed on October 8, 1866. He was registered under the Pharmacy Act (Ireland) on July 10, 1876, and by the Pharmacy Board of New South Wales on September 11, 1884.

**EARLIER CLOSING.**—A meeting called by the Shop Assistants' Union (N.E.W. branch) of employers and employees of shops not at present within the scope of the Early Closing Act was held at the Queen's Hall, Sydney, on October 18. The Chairman pointed out that it is the desire of the tobacconists to close at 7.30 on four nights of the week, 9 P.M. on the late night, and 1 P.M. on one day. Chemists, provision merchants, and confectioners ask that their closing time should be 6 P.M.

**PHARMACY BOARD.**—At the meeting on October 10 there were present Mr. W. Short (in the chair) and Messrs. L. P. Williams, T. S. Loney, H. S. Brothwood, and A. Wadsworth. The question arose, on a communication from the Health Department, whether a substance (polishing-powder) containing approximately 6 per cent. of silver ferrocyanide would be classed as a poison under the Poisons Act. Mr. Loney said the question is whether the substance is a metallic cyanide or ferrocyanide of silver. If it is silver ferrocyanide, then it is not poisonous unless taken in large quantities. It was decided to ask that a sample be submitted to analysis. Mr. W. J. Scammell (Ph.C., Great Britain), 6 O'Connell Street, Sydney, and Mr. N. S. Goodyer (Ph.C., Great Britain), 15 Macquarie Place, Sydney, were registered under the Pharmacy Act. The Registrar submitted the draft regulations for the Preliminary examination, which were adopted as follows:

Every person must, before entering into articles of agreement to be an apprentice, pass a Preliminary examination in the following subjects: **LATIN:** Translation into English from Cæsar de Bello Gallico, Book 5, subject to alterations, of which six months' notice will be given. Easy translation from Latin into English at sight. Questions on grammar and syntax. Translation of easy sentences from English into Latin. Candidates will be expected to know the vocabulary of the author in connection herewith. **ENGLISH:** Analysis, grammar, composition, selection from a standard English author. The paper will be approximate with that of the Junior Public examination of the University of Sydney. **ARITHMETIC:** Questions upon the first four rules. Vulgar and decimal fractions. Simple and compound proportion. Percentage and stocks. Reductions and other rules as applied to the British and metrical system of weights and measures. Simple areas and volumes. **ALGEBRA:**

To the end of easy quadratic equations (long and complex questions in fractions, factors, equations, highest common factor, and lowest common multiple will not be set).

## INDIA AND THE EAST.

(From the "C. & D." Correspondents.)

**CAMPHOR IN THE MALAY STATES.**—The camphor-trees at Kuala Lumpur and Batu Tiga continue to flourish, but owing to the unreliable germination of Japanese camphor-seed, experiments are being carried out in the propagation of this plant from root-cuttings.

**INDIAN OPIUM SALES.**—It is officially notified that in the calendar year 1912 not more than 19,900 chests of Bengal opium will be offered for sale, of which 6,700 chests will be certified for shipment to China, and the rest (13,200 chests) will be for shipment to other countries. At each of the monthly sales in January to October 670 chests will be offered for sale, of which 445 chests will be Patna opium and 225 chests Benares opium.

**FOREIGN MEDICINES IN JAPAN.**—We have referred on several occasions to the new regulations in Japan relating to the importation of patent or proprietary medicines and new remedies. These regulations, which will be put in force on April 1, 1912, have called forth protest from pharmacists all over Japan, and to some extent they have been "revised." The principal point about them is that pharmacists, druggists, and importers must deposit samples with their local authorities (and in Tokyo with the Chief of the Metropolitan Police), together with a report stating the principles of the substance and the method of preparation. Such medicines must state their ingredients "over a wrapping paper or receptacle." In THE CHEMIST AND DRUGGIST of July 23, 1910 (index folio 117), we gave full particulars of these regulations.

**PHARMACY AT THE DELHI DURBAR.**—Messrs. Frank Bliss & Co., of Simla and Lahore, opened a branch pharmacy near the historic Kashmere Gate for the Durbar period, and report that business is excellent. The accompanying



DISPLAY IN THE BLISS PHARMACY AT DELHI.

photograph shows one of the corners of the shop. This counter is replete with all kinds of toilet requisites. This will give home chemists an idea of how counters are dressed in an up-to-date establishment in India. Far more is made of the counter in India than at home, for windows cannot be utilised on account of the sun. Messrs. Burroughs Wellcome & Co. have an exhibition of their tabloid medicine-cases, etc., first-aid cases, and specialties in the Bliss Pharmacy, as well as a photographic salon, showing a comprehensive range of work done with tabloid photographic products.—Messrs. Plomer & Co., of Simla, are situated in the Central Markets in the midst of the Delhi camps, devoting themselves to the dispensing department and photographic goods. They report good business. Messrs. Parke, Davis & Co. have their specialties on view with them.



## SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Association\* of Chemists in British South Africa, as well as to other chemists in business there.

### Natal.

**POISONING CASE.**—At the Durban Police Court, on November 24, William Cook, assistant with Messrs. Turner & Co., Church Street, was charged with culpable homicide in causing the death of Mr. St. George Arbuthnot from strychnine poisoning (*C. & D.*, December 9, index folio 839). The evidence was to the effect that accused had made up a prescription for six cachets containing quinine and salol with strychnine hydrochloride, instead of quinine hydrochloride. A bottle containing strychnine hydrochloride was found among the ordinary drugs, and no one could explain how it had got there. Mr. F. Turner, Ph.C., deposed that he was the sole proprietor of Turner & Co. The prescription in question was dispensed in witness's shop by Mr. W. Cook, who was manager of the retail department, who had been with witness over ten years, and who was a fully qualified chemist. Witness said hydrochloride of strychnine and hydrochloride of quinine were so alike that no one could tell the difference on looking at them. It was impossible for him to say what happened. The fact that the bottle of hydrochloride of quinine not being in its place may have been due to its having been empty and waiting refilling, or not having been returned to its place, or broken. In the dispensary there was a poison-cabinet, which was always closed, but not locked. Witness said that a dispenser should not rely on the position of any bottle on the shelves, but read the label. Had that routine been followed the fact that the bottle was labelled "poison" would have been detected. In the present case he thought there must have been lapse of concentration of mind on Mr. Cook's part. The Magistrate remarked that in the case of dispensing chemists, who held the life or death of people in their hands, the dispenser should not be called away until his work was completed. The witness answered that the public were often very inconsistent and would not wait. Mr. Turner said he could not speak too highly of accused. The case was again remanded.

### Transvaal.

**POISONING FATALITY.**—At Potchefstroom, on November 21, a one-year-old child died through swallowing some Easton's syrup tablets.

### Pharmaceutical Society of the Transvaal.

On the invitation of Sir Thos. Cullinan and the management of the Consolidated Rand Brick, Tile, and Pottery Co., the members of the Society, with their friends, visited the company's works at Oliphantsfontein on November 8. The company included Mr. Easterbrook (President) and Mrs. Easterbrook, Mr. E. L. Ralling (Vice-President), Mr. and Mrs. Rennie, Mr. and Mrs. Keating, Mr. and Mrs. Beiles, Mr. and Mrs. MacIntosh, Mrs. Williams, Mrs. Griffiths, the Misses Alexander, Rogerson, S. Kahn, and R. Kahn, and Messrs. Keir, W. McKellop, W. Thomson, C. Hyland, Jolly, J. Jones, Roux, Wernikoff, King, Smith, Wood, Stobo, Tinker, Williamson, and W. H. Cross (Hon. Secretary). A special train conveyed the visitors to the works, which have been active for three years. It was stated that a greater variety of goods was made here than in any other pottery. Some hundred white workers and fifty natives are employed. The visitors first inspected the clay bank, then the milling-house, and afterwards the making and purification of the "slip." The free iron is extracted from the semi-fluid mass by an ingenious arrangement of magnets, but sufficient iron compounds remain to give the finished product the slight yellow tinge characteristic of Transvaal pottery. After leaving the pressing-shop the material is ready for "jiggering," the dexterous movements of the operators in moulding pottery forming the most interesting part of the tour. The baking and glazing of the ware were witnessed, as also the manufacture of tiles, bricks, and drain-pipes. After partaking of light refreshments, the President, in thanking the management, said the members had not anticipated finding the works on so large a scale and so up to date.

## LEGAL REPORTS.

### TRADE LAW.

**Self-raising Flour.**—At St. Albans on December 9, F. W. Cobb, a Wheathampstead baker, was charged under the Sale of Food and Drugs Acts with selling self-raising flour adulterated with calcium sulphate. The prosecution referred to Dr. Hamill's report to the Local Government Board, wherein was suggested a 10-per-cent. limit for calcium sulphate. Mr. A. E. Ekins, the Herts county analyst, found the sample to contain 58.8 grains per lb. in excess of this amount. Defendant used "electric cream powder," purchased last April from the United Yeast Co., as one of the ingredients in the self-raising flour. It was stated that many manufacturers have since withdrawn supplies of acid calcium phosphate containing calcium sulphate as an impurity. A fine of 5*l.*, including costs, was inflicted.—At Watford on December 12, five cases were heard, and in two cases fines of 5*s.* and costs were inflicted.

**From Tram-driving to Teeth-pulling.**—At the Blackburn County Court on December 18, Benjamin S. Haworth, Seven Acre Brow, sought to recover 20*l.* damages from James Ireland, artificial-teeth manufacturer, Brownhill, for alleged breach of agreement. There was a counter-claim for 20*l.*, said to be due under this agreement. According to the plaintiff, he had been a tram-conductor in the employ of the Corporation, and earned 30*s.* per week. His wife obtained a set of teeth from defendant, and in November 1910 the plaintiff entered into an agreement with Ireland whereby he was to be taught the art of dentistry in consideration of the payment of 10*l.* down and 30*l.* afterwards. He was also to "open a practice and join partnership on equal terms." At first Haworth worked his tramcar and assisted in dental operations during his spare time. Ireland then suggested that if he made a further payment of 10*l.* and obtained thirty orders he would have sufficient money to pay him his wage for three years and could devote his whole time to the work. Haworth then gave up car-driving and canvassed for orders, which he secured to the value of 100*l.* After a short time he was sent to Burnley to extract teeth. Up to August he received a weekly wage of 30*s.*, then he was told to look out for a fresh place. Plaintiff complained that though he had received instruction in extraction and manufacture of teeth, he had not been taught bar and bridge work, fillings, and the administering of gas. No branch had been established in their joint names, and he had not shared the takings of any branch. Defendant expressed willingness to carry out the agreement, which, he claimed, he had fully adhered to; and at the suggestion of the Judge the case was adjourned for settlement.

### High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

#### KROPP RAZORS.

The case of Osborne, Garrett & Co., of London and Sheffield, *v.* Gould, on a motion for judgment in default of appearance and defence, came before Mr. Justice Parker in the Chancery Division on Monday, December 18. Mr. Kerly, for the plaintiffs, said it was an ordinary trademark and passing-off action. The word "Kropp" is a registered trade-mark, and the defendant had been selling razors on which he had stamped the word "Kropp." He asked for a perpetual injunction restraining the defendant from selling razors stamped as "Kropp," or under any other name so closely resembling it as to lead to the belief that the goods were those of the plaintiffs. Counsel also asked for similar relief with respect to cases of razors made up so as to resemble those of the plaintiffs. His Lordship made the orders asked for by the plaintiffs, with costs.

#### LACTO-BACILLINE AS A TRADE-MARK.

In the Chancery Division on Thursday, December 21, Mr. Justice Joyce gave judgment refusing an application by La Société Anonyme Le Ferment for the registration of the word "Lacto-bacilline" as a trade-mark for a pharmaceutical preparation used for souring or curdling milk. The application was opposed on behalf of other traders on the grounds that the word sought to be registered was not an invented word within the meaning of the Act of 1905, and that it had been used for some years to designate similar goods.

His Lordship said that the word proposed to be registered must be an invented word, and the meaning of that



expression was well settled by numerous decisions in the Courts, and in particular by the House of Lords. It was obvious that Lacto-bacilline came from Lacto-bacillus, which was an established word in the scientific vocabulary of the English language. It was a compound word of which the component parts were obvious and well known, and his Lordship doubted whether there was ever sufficient invention in it. It had been urged that there was just as much invention in it as there was in "Bovril," but "Bovril" was registered as a fancy word, and not as an invented word. It was also said that the word had been in use since 1904, and his Lordship thought it had been in use not only as a designation for a preparation called Lacto-bacilline, but that it had been used as an adjective connected with milk. He did not think it had been used as a trade-mark, merely distinctive of a preparation called Lacto-bacilline, as produced by the applicants. However that might be, the invention was many years old, and in no sense was the word invented in connection with or in contemplation of the present application. His Lordship agreed with a decision of Mr. Justice Warrington that it must be a newly coined word at the date of the application. Consequently it could not at the present time be registered as a trade-mark. The second point was whether Lacto-bacilline was a word which had no reference to the quality or character of the goods. His Lordship was of opinion that it had a direct reference to the character of the article, and was, therefore, ineligible as a trade-mark at the present time. This attempt to recapture and register an existing designation of an article to distinguish the particular manufacture of the applicants, and so obtain a monopoly of this word, could not, in his Lordship's opinion, be allowed. He ordered that the registration should not proceed.

#### A PUBLIC ANALYST'S CERTIFICATE.

In the Chancery Division on Wednesday, December 20, Mr. Justice Swinfen Eady heard a motion by the plaintiff in the case of Bevan v. Cooper and The Charles H. Phillips Chemical Co. Mr. T. Terrell, K.C., and Mr. Tomlin appeared for the plaintiff, and Mr. F. Russell, K.C., and Mr. Galbraith for the defendants.

Mr. Terrell said he had to move for an injunction to restrain the publication of what he described as a libel. Mr. Bevan, he said, is a well-known analytical chemist and public analyst for Middlesex. The defendants are an American company, and the manufacturers of a certain chemical preparation. In the course of his professional duties Mr. Bevan was given a substance to analyse which had been purchased at a shop within the jurisdiction which he exercised, and he gave this certificate:

"I, the undersigned, public analyst for the County of Middlesex do hereby certify that I received on the 26th day of August, 1911, from Mr. V. Keen a sample of emulsion of magnesia, R. 6, B.P. Codex, for analysis (which then weighed about 1½ oz.), and have analysed the same, and declare the result of my analysis to be as follows: I am of opinion that it contains the parts as under: Magnesium hydroxide, 30.8 grains; water, 406.7 grains per fl. oz. This is equal to an excess of magnesium hydroxide of about 137 per cent., as genuine B.P. Codex emulsion of magnesia should contain about 13 grains of magnesium hydroxide per fl. oz. The sample had undergone no change which would interfere with analysis."

Upon that certificate a summons against a certain person was dismissed by the Magistrate, but the respondent was ordered to pay the costs of the prosecution. Subsequently Mr. Bevan was given another sample to analyse, and he gave the same sort of a certificate as the first. Then THE CHEMIST AND DRUGGIST received and published the following advertisement:

"The Public Analyst of the County of Middlesex has recently certified for the purity and strength of this compound."

Mr. Bevan did not know anything at all about this till he was called to account by the secretary of the Institute of Chemistry for doing that which was unprofessional, that was, giving a certificate with regard to an advertised drug.

His Lordship asked what evidence there was to connect the substance in the certificate with the defendants' Milk of Magnesium.

Mr. Russell said when Mr. Robinson, the inspector, asked the chemist for the B.P. substance he was told, "We have not got it, but here is something as good."

Mr. Terrell said the question was whether the certificate justified the defendants in publishing the advertisement.

His Lordship: I follow that, but you did not give me sufficient particulars of the earlier facts. The dispute was this—that a substance was given to Mr. Bevan to analyse, and there was a conflict of evidence as to whether it was supplied as a B.P. preparation or as Phillips' Milk of Magnesium.

Mr. Russell said that was so.

Mr. Terrell: Thereupon the summons before the Magistrate was dismissed, but the defendant was ordered to pay the costs. Counsel then read certain affidavits in support of the motion. The first was by Mr. Bevan, in which he stated the circumstances under which he gave the certificate as to the sample received from Mr. Robinson, the inspector. He also stated that he was called on by the General Purposes Committee of the Middlesex County Council to explain the advertisement, and that he repudiated the suggestion that he had given the certificate for such a purpose. He went to the office of defendants and saw Mr. Cooper, the manager, and asked for an explanation. He (Cooper) treated the matter very lightly and said the samples were samples of his goods and that he (Mr. Bevan) had certified to the purity of the Milk of Magnesium. He (plaintiff) indignantly repudiated this and said he did not lend his time to trade advertisements, and that if he did so he would be guilty of conduct discreditable to his profession.

His Lordship asked if the advertisement had been repeated.

Mr. Terrell: Yes.

His Lordship said whatever the legal rights might be now that attention had been called to the matter, the advertisement ought not to be continued in the meantime. It had brought the plaintiff into conflict with his own Institute and the Council.

Mr. Russell said his Lordship would hear facts about that at the trial.

Mr. Terrell read further from the affidavits put in. The Registrar of the Institute of Chemistry of Great Britain and Ireland said he noticed the advertisement, and it was unprofessional for members of the profession to lend their names to anything of the nature of an advertisement. It was one of the acts which his Council by resolution held to be discreditable, and he advised Mr. Bevan to do everything in his power to avoid a cause of complaint. Other evidence was submitted to the effect that the only conclusion the public would draw from the advertisement was that the public analyst for Middlesex had given a certificate to be used for trade purposes, and that such use was calculated to injure the reputation of the plaintiff.

Mr. Russell submitted an affidavit by Mr. Cooper, manager of the defendant company, in which he said the certificate given by the plaintiff was put in evidence in support of the prosecution of a retail customer of the defendants for selling a compound drug which was not composed of ingredients in accordance with the demand of the purchaser, but contained an excess of a certain ingredient. The fact was that the retailer told the inspector's agent that he had not the Codex Emulsion of Magnesia, but showed him Phillips' Milk of Magnesium, saying it was similar.

His Lordship: If he said it was similar as regarded strength it was wholly untrue.

Mr. Russell: If it fulfilled the same object it was surely true. Continuing the affidavit, counsel read that the prosecution was considered an attack on the defendants, whose preparation was not a quack and its composition was stated on every bottle. Mr. Russell ultimately announced that his clients were prepared until the trial to withdraw the advertisement altogether except in regard to the "Pharmacists' Annual," and the "British and Colonial Druggists' Diary," which were already published and the defendants could not stop them.

His Lordship: That is as much as I can do on this motion.



Mr. Terrell: In the interests of Mr. Bevan I thought they would put an end to the case.

His Lordship: On the present motion you cannot do more. The defendants offer to withdraw the advertisement and not to publish it any more. They will undertake that without prejudice. I can only hope that you may be able to arrange the matter and that the Court will hear no more about it. Upon the defendants' undertaking, which is not to extend to the "Pharmacists' Annual" and the "British and Colonial Druggists' Diary," there will be no other order except that the costs of the motion will be costs in the action.

## LIMITED COMPANIES.

### New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

**ROWLAND OWEN, LTD. (P.C.).**—Capital 100*l.*, in 1*l.* shares. Objects: To take over the business of makers and fitters of artificial teeth carried on by J. Rowland Owen at 38A High Street, Swansea, as "Owen & Co." The first directors are J. Rowland Owen and Mrs. M. A. Owen.

**JEAN ADARE, LTD. (P.C.).**—Capital 2,000*l.*, in 1*l.* shares. Objects: To carry on the business of perfumers, soap manufacturers and dealers, chemists, druggists, oil-and-colourmen, etc., and to adopt an agreement with F. Adare and W. Adare, who are the first directors. R.O., 20 Little Britain, E.C.

**ANGUS DOG AND CATTLE MEDICINE CO., LTD. (P.C.).**—Registered in Edinburgh. Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers and packers of dog and cattle medicine and foods, etc. The first subscribers are J. J. Fraser, clerk, and A. H. Harley, clerk. R.O., 18 Duke Street, Edinburgh.

**CLEVELAND PHARMACY CO., LTD. (P.C.).**—Capital 500*l.*, in 1*l.* shares. Objects: To acquire a tenancy of the premises at 21 Chilworth Street, W., and to carry on the business of chemists, oil-dealers, drug-merchants, patent-medicine vendors, etc. The first subscribers and directors are I. Zeifert, 21 Chilworth Street, W., Russian doctor, and W. H. Turner, 21 Chilworth Street, W., chemist. R.O., 21 Chilworth Street, London, W.

**HOLMAN, HAM & CO., LTD. (P.C.).**—Capital 10,000*l.*, in 1*l.* shares. Objects: To take over the business of chemists, druggists, etc., carried on at Market Street, Exeter, and elsewhere in Devonshire, as "Holman, Ham & Co.," and to adopt an agreement with P. F. Rowsell. The first subscribers are P. F. Rowsell, Nutbrook, Exmouth, manufacturing chemist, and Mrs. F. E. Rowsell, Nutbrook, Exmouth. P. F. Rowsell is governing director.

**VICTORS, LTD. (P.C.).**—Capital 20,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemical manufacturers (including the manufacture of acid phosphate, phosphoric acid, and by-products connected therewith), chemists, druggists, etc. The first directors are B. Levin (permanent managing director), C. J. Lomax, and J. O. Allen. Qualification, 1,000*l.*. Remuneration of managing director, 500*l.* per annum; of other directors, 100*l.* per annum. R.O., Hartsheads Mills, Heyrod, Stalybridge, Cheshire.

**A. HOMMEL & CO., LTD. (P.C.).**—Capital 2,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemists and druggists, dealers in preparations manufactured from blood, and all medical and other preparations manufactured according to receipts of A. Hommel, Hanau, Germany. The first subscribers and directors are A. Hommel, Hanau, Wall-wig 41, chemical manufacturer; W. Hommel, Frankfurt o/M, chemical manufacturer; and M. Goeschen, Frankfurt o/M, chemical manufacturer. R.O., 115 Clerkenwell Road, London, E.C.

**MANUFACTURING AND INSTRUCTING SYNDICATE, LTD. (P.C.).**—Capital 4,000*l.*, in 1*l.* shares. Objects: To take over, develop, and turn to account certain inventions belonging to C. S. Higgins, to acquire any patents for inventions relating to machinery and plant for the manipulation of the soya-bean, cotton-seed or other like products, or the preparation of any materials used by soap manufacturers or oil refiners, etc., to manufacture and deal in such materials, etc., and to adopt an agreement with C. S. Higgins and S. G. Shead, who are the first directors and subscribers. R.O., 5 Eastcheap, E.C.

### Company News.

**PRICE'S PATENT CANDLE CO.**—The directors have deposited a Bill for introduction into Parliament next session for the purpose of extending the powers of the company, which is carried on under an Act of Parliament obtained in 1857. The Bill proposes to enable the company to hold 500 acres of land instead of 150 acres, and to create and issue debenture stock to any amount, not exceeding in the whole 200,000*l.* It is also proposed to carry on the business under the name of "Price's, Ltd."

**S. F. GOSS, LTD.**—The annual general meeting of the shareholders of this company was held at the registered office, Oxford Street, W., on Tuesday, December 12, when the directors submitted the accounts for the year ending July 31, 1911, showing a loss on the year's business of 1,843*l.* 19*s.* 2*d.*, to which was added depreciation of leases, etc., 441*l.* 8*s.* 4*d.*; interest on debentures, 120*l.*; directors' fees, 177*l.* 0*s.* 3*d.*; and balance from the previous year, 216*l.* 13*s.* 7*d.*, together making the amount of the debit to profit-and-loss account 2,799*l.* 1*s.* 4*d.*. That account shows gross profit (after deducting depreciation of stock estimated at 1,500*l.*), 7,091*l.* 2*s.* 10*d.*; commission received, 1,232*l.* 10*s.* 10*d.*; and rent received, 5*l.* 6*s.* 8*d.*; total, 8,379*l.* 0*s.* 4*d.*. The expenditure consisted of rent, rates, taxes, and insurance, with gas and electric light, 4,036*l.* 15*s.*; wages, salaries, and commissions, 4,173*l.* 9*s.* 8*d.*; advertising, 185*l.* 15*s.* 5*d.*; repairs and renewals, 169*l.* 10*s.* 2*d.*; bad debts written off and reserve, 78*l.* 8*s.* 4*d.*; and special expenses, 310*l.* 6*s.* 11*d.*, the total expenditure being 10,222*l.* 19*s.* 6*d.*. The directors intimate that they have appointed Mr. Thomas Fell, chemist and druggist, as superintendent, with a seat on the Board, in accordance with the requirements of the Poisons and Pharmacy Act, 1908.

**IDRIS & CO., LTD.**—The annual general meeting of shareholders was held at the company's offices, Pratt Street, Camden Town, London, N.W., on December 19. After a resolution of sympathy with the family of the late Mr. Adnar Jones had been passed, the Chairman (Mr. T. H. W. Idris, J.P.) moved the adoption of the report and accounts (C. & D., December 16, index folio 977). He said that although the result is by no means so good as might have been anticipated during the last season, he thought they may justly congratulate one another on the present position. Last year the company owed 9,000*l.* to the bank, now the bank owes them 6,000*l.*. The directors were now decidedly of opinion that it was a mistake to go to the bank for money to pay dividends. Although sales have been the highest in the company's records, unusual expenditure, seriously interfering with their profits, had to be incurred. In one day 400,000 half-pints of ginger beer had been turned out, and in the efforts to keep customers properly supplied expenditure in hiring transit to an extent that was undoubtedly not profitable was not shirked. Gangs of workers for night and day work had to be organised, and much of this labour was necessarily inexperienced, expensive, and unsatisfactory. In addition, the railway strike caused serious inconvenience, and through the carmen's strike considerable difficulty and loss was incurred in obtaining sugar and other materials from the docks. Taking all into consideration, the directors think that a year of normal weather with average sunshine will give much more profitable results. Chinaway syphons continue to gain steadily in favour, and two additional patents for details of great importance have been effected. The price of sugar is, and has been, high, largely due to the existence of the ridiculous Convention. If Russia were free to send supplies, sugar would be obtainable at more normal prices. The directors fear that high-priced sugar will be forced upon them for some time to come. The trade continues to be affected by the "house-to-house supply" of aerated tap-water. The effect of these supplies has unfortunately been to diminish consumption that would otherwise obtain, as consumers, without being able to estimate the reason why, do not find it as palatable as a purer article. If the company's customers will only take care that Idris goods are tested by fair comparison, their superiority will always command a trade. After dealing with the accounts, the Chairman put his resolution to the meeting. Mr. James Bradford, in seconding, emphasised the fact that the cash account in two years showed a difference of 15,000*l.* in the company's favour. In the discussion which followed questions were asked in regard to the sinking fund and reserve. Mr. Hicks suggested that the salaries of managers of branches should depend largely upon results. The Chairman said this was already the case. The motion was then carried unanimously. An amendment to the motion for the re-election of Messrs. W. T. W. Idris and W. H. W. Idris, to the effect that the election be deferred for a year, was withdrawn on its being pointed out that the amendment was not in order, and these gentlemen were unanimously re-elected. The auditors were re-appointed. Votes of thanks to the Chairman and his co-directors ended the proceedings.



## WESTMINSTER WISDOM.

The Week in Parliament.

### National Insurance Act.

The Committee stage of the Bill came before the House of Lords as we were going to press last week, and was completed before their Lordships adjourned. We deal with the only parts of the debate which directly interest the drug-trade.

On Clause 57, which deals with the appointment by the Insurance Commissioners of an Advisory Committee to assist in the making and alteration of regulations, Lord Weardale moved to include pharmacists among the classes which shall be represented on the Committee. (See *C. & D.*, December 16, index folio 891.)

Lord Weardale said he moved this and two other amendments relating to the inclusion of pharmacists on local insurance committees and the recognition of local pharmaceutical committees, at the request of the organised chemists and druggists, who were anxious to be represented on the committees. One of the duties imposed by the Bill was to provide for the supply of drugs of pure quality, and it seemed to him it would be of great service to the committees to have two or three chemists and druggists added to their numbers to advise them on this subject. These amendments were put down in the House of Commons, but were never discussed. They unfortunately came under the operation of the guillotine, and therefore he did not know what the view of the Government might be, but he hoped his noble friend (Viscount Haldane) would be able to favourably entertain them.

Viscount Haldane, who was in charge of the Bill, said the proposal which his noble friend (Lord Weardale) had made in a series of amendments was to place pharmacists in the same position as doctors, giving them representation on the Advisory and Local Insurance Committees. That was a very far-reaching proposition, and it came to this: that the pharmacists were entitled to be treated on the same footing as doctors. The Government could not see their way to putting pharmacists in that position. The Insurance Commissioners had power, if they thought fit to have pharmacists on the Advisory Committee, to put them on. After all, the business of mixing drugs was not the same thing as the business of a physician, and he saw no reason why they should be put in the same position.

The amendment was, by leave, withdrawn.

On Clause 58, which provides for the appointment of the local Insurance Committees, Lord Weardale had given notice of an amendment to secure that two of the members of such committees as are appointed by the Insurance Commissioners shall be pharmacists. Lord Weardale did not move this amendment, nor did he move the further amendment calling for recognition of local pharmaceutical committees.

The National Insurance Act received the Royal Assent, with all the customary formalities, in the House of Lords on Saturday, December 16, at 2 P.M., in the presence of a number of spectators. Among those who went over specially from the House of Commons to witness the final act in the passage of Mr. Lloyd George's Bill were the Chancellor of the Exchequer himself, the President of the Local Government Board, the Attorney-General, who has rendered yeoman service in the passage of this important Bill through Parliament, and the Master of Elibank, M.P., the Chief Government Whip. Among the private members who went across to hear the King's Speech read with its reference to the Insurance Act and other legislation which has been passed during the Session was Mr. W. S. Glyn-Jones, M.P., who has also had a great deal to do with the inner preliminaries "behind the scenes."

### THE DOCTORS' PROTEST.

In the House of Lords on Friday, December 8, Earl Beauchamp stated, in reply to Lord Ashbourne, that he had seen the report of the resolution passed by a meeting of doctors in Manchester, but, he added, resolutions of that kind were often passed and not acted upon afterwards. He hoped that might be so in the present case, and that doctors throughout the country, when they saw

the regulations issued by the Insurance Commissioners, would be ready to act. There would be a system by which doctors would be placed on a panel, and from that panel a sufficient number would be chosen to secure proper medical attendance for insured persons.

### THE WELSH COMMISSIONERS.

In the House of Commons on Saturday, December 16, the Chancellor of the Exchequer stated, in reply to Mr. Ellis Griffith, that the Welsh Commissioners are as follows: Chairman, Alderman T. J. Hughes, Vice-Chairman Glamorgan County Council; Commissioners, Dr. Meredith Richards, medical officer of health, Croydon; Miss Violet Douglas-Pennant; Mr. John Rowland, M.V.O., of the Treasury; Secretary, Professor Thomas Jones, M.A., Secretary of the King Edward VII. Welsh National Memorial Fund. These are all salaried officials. In answer to the question whether it was the intention of the Government to appoint in England a Commissioner of special experience in industrial insurance, the Chancellor said it is difficult to get such a man at the salary which can be paid, but he is trying his best to get one.

### The Shops Bill.

The House of Lords Committee stage on this measure was concluded on Friday, December 15. The following new clause was inserted after Clause 12:

(1) Section 10 of the Shop Hours Act, 1892, which provides for the exemption of members of the occupier's family and domestic servants from the provisions of that Act, shall cease to have effect except so far as it relates to persons wholly employed as domestic servants.

(2) The provisions of this Act with respect to the allowance of intervals for meals shall not apply to a shop if the only persons employed as shop assistants are members of the family of the occupier of the shop maintained by him and dwelling in his house.

### APPLICATION TO IRELAND.

Clause 15 applies the Bill to Ireland and consists of seven sub-sections. The following new paragraphs were substituted for those in Sub-section 3:

(c) The occupier of the shop shall fix within the limit aforesaid, and shall specify in a notice in the prescribed form affixed in the shop, the times at which the employment or the several spells of employment, as the case may be, of the assistant are to commence and end on the several days of the week, and the assistant shall not be employed about the business of the shop, except within the time so fixed.

(d) The assistant may be employed overtime for not more than 90 hours in the calendar year, and such employment shall not be reckoned as employment for the purposes of the foregoing limitation of the hours of employment.

Provided that during the first two months after the assistant has entered the employment the amount of overtime worked by him shall not exceed the proportion of two hours for every week he has been in the employment or is entitled under a contract to continue in the employment.

(e) The assistant shall be deemed to be employed overtime if he is employed before the time fixed by the notice for the commencement or after the time so fixed for the ending of his employment, or during the interval so fixed between two spells of employment, and overtime shall be reckoned in periods of half an hour, and any period of overtime of less than half an hour shall be reckoned as a complete half hour; and the occupier of the shop when he intends to employ the assistant overtime on any day shall, before the overtime employment commences, record the prescribed particulars with respect to that employment in the prescribed manner.

It was also agreed to leave out Sub-section 4 as follows:

The business of the sale by retail of intoxicating liquors for consumption off the premises only shall be deemed to be included among the trades and businesses specified in Part I. of the Second Schedule and among the trades and businesses exempted from the provisions of this Act (other than the provisions of this section) with respect to a weekly half-holiday; and to substitute for it the following, thus reversing the House of Commons decision in the matter:

(4) Any shop in which the trade or business of the sale by retail of intoxicating liquors is carried on in conjunction with any other trade or business shall, as respects all such trades or businesses, be exempt from the obligation to be closed on the weekly half-holiday.

The Bill as amended was passed and sent back to the House of Commons, which considered the Lords' amendments, and, as soon as the motion to agree with them in regard to Clause 15 was made, Mr. Glyn-Jones said, as regards Sub-section 4:

"This is so important an omission that I do not think the House ought to pass it without some explanation as to why it is necessary. Section 2 of the Act provides that all shops shall be closed on one half-holiday a week, except as is otherwise provided in the Bill. Then you have a number of exemptions to these provisions, including the sale of



intoxicating liquors. In Section 5, as applied to Great Britain, you have a provision that where several trades or businesses are carried on in the same shop, the exemption should apply, so far as the principal trade or business is concerned, subject to such conditions as may be prescribed. That means if a grocer has a licensed trade, he cannot close his shop for the purposes of his licensed trade, but if the grocery trade got a closing order, it can be closed for the purposes of his grocery business. You differentiate between the businesses when you deal with Ireland. In Ireland all the shopkeeper has to do to get out of the whole provisions relating to early closing is to have a licence, and once he has got a licence he may carry out all the trades under the sun and no closing-order can affect him. You get no early-closing order in Ireland, and why should a grocer get an early-closing order if none of his competitors with a licence are to be closed for the purposes of grocery? What I want to draw attention to is that this amendment never appeared on the paper upstairs, and it was not moved on Report stage at all. It has come down from the House of Lords at the last moment, and I think the provisions are so extraordinary that some explanation of them should be forthcoming before we agree to them."

Mr. Masterman replied that the provision was in the Bill before. The House agreed that on the Report stage the Irish agreement should not be excluded. Owing to the special conditions in Ireland it was agreed that the shops which had licences for the sale of liquor should be exempted from the general closing provisions.

Mr. Gretton also protested against the change, but it was agreed to without a division.

#### BANKRUPTCY LAW REFORM.

The Government proposals for the amendment of the existing bankruptcy laws, which were introduced in the form of a Bill before the Parliamentary adjournment, but not disclosed, contain many important provisions of interest to the trading community generally throughout the country. Failure to keep accounts is to be criminally punishable only in the case of a trader who has previously been insolvent. All married women engaged in trade are to be made amenable to bankruptcy proceedings upon a bankruptcy notice following judgment. It is also proposed to extend the control of bankruptcy courts over foreigners trading in this country through agents or partners, and to take away the power at present possessed by landlords of distraining after a bankruptcy for rent payable in advance. Proposals are also put forward for the purpose of meeting the case of money-lenders, who adopt various devices to evade the provisions of the bankruptcy laws by which claims for interest in excess of 5 per cent. are to be postponed until all other claims have been satisfied. The Bill was read a first time in the House of Lords before the adjournment of Parliament, on the motion of the Earl of Granard, who stated that no further progress could be made with its provisions during that Session. It is doubtful, however, whether in next Session, which is already heavily earmarked for measures of first-class importance, there will be any opportunity for dealing with legislative proposals such as this, which are of a strictly departmental character.

#### QUESTIONS AND ANSWERS.

**INCORRECT TRADE DESCRIPTIONS.**—Sir Maurice Levy asked the President of the Board of Trade on Friday, December 15, whether he is aware that prosecutions have recently been undertaken by the Board of Trade against some shopkeepers for selling goods with incorrect trade descriptions, which descriptions the shopkeepers or their assistants have been induced to apply at the request of the purchasers, who are invariably representatives of trade rivals of the manufacturer whose goods are on sale; and whether he will give instructions for prosecutions not to be initiated by the Board of Trade in cases where stealth is employed to induce a person to commit a wrong act.—In reply, Mr. J. M. Robertson, M.P., stated that the Board of Trade only undertake prosecutions under the Merchandise Marks Acts in cases where they are satisfied that the general interest of the country, or of a section of the community, or of a trade is affected. He was not aware that any prosecutions have recently been undertaken by the Board of Trade under the circumstances mentioned by his hon. friend, nor was he prepared to admit that shopkeepers or assistants who, in compliance with the request of a purchaser, invoice goods under incorrect trade descriptions are necessarily induced

to do so by stealth. If the hon. member desired to bring to his notice any instances of prosecutions undertaken by the Board of Trade in cases where stealth had been employed, he would further consider the matter.

### PERSONALITIES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

MR. CHARLES W. TINLING, of the National Drug and Chemical Co., has now returned to Montreal.

M. JOSEPH ACHILLE LE BEL, the distinguished chemist, of Paris, has been elected a foreign member of the Royal Society of London.

MR. G. CLARIDGE DRUCE has been appointed a member of a committee formed to take steps to celebrate Oxford City millenary next year.

MR. E. NEALE, chemist and druggist, 10 High Street, Chippenham, has been appointed Treasurer of the Lansdown Masonic Lodge of Unity.

MR. A. E. RICHMOND, chemist and druggist, 3 St. Peter's Road, Great Yarmouth, was, on December 14, installed M.E.L. of Friendship Chapter No. 100.

ALDERMAN J. PHILLIPS, Ph.C., Wigan, has been appointed a representative of the Town Council on the governing body of the Grammar School.

DR. J. C. WILLIS, late director of the Royal Botanic Gardens, Peradeniya, Ceylon, has been appointed director of the Botanical Gardens at Rio de Janeiro.

ALDERMAN F. BIRD, chemist and druggist, 156 Spor Street, Coventry, has been appointed by the local City Council a member of the Court of Governors of the Birmingham University for three years.

MR. MINORU SAITO, the son of a leading pharmacist of Tokyo, and himself a pharmacist, has been spending some time in England studying our business methods. Mr. Saito sails for New York on January 6, 1912.

MR. DAVID HILL, lately representing Messrs. Parke, Davis & Co. in South-West London, has been appointed to succeed the late Mr. Charles Ross as representative of the firm in Egypt and the Near East.

MR. W. S. GLASS, 193 Morningside Road, Edinburgh, is a candidate for the Council of the Proprietary Articles Trade Association, having been nominated by retail pharmacists in the North to represent their interests.

MR. R. D. DOBLE, chemist and druggist, of 5 Duke Street, Tavistock, has been appointed a Justice of the Peace for the County of Devon. Mr. Doble is Chairman of the Tavistock Urban District Council.

SIR ALFRED MOND, M.P., and his brother, Mr. Robert Mond, have decided to endow a bed at the Northwich Victoria Infirmary with the sum of 500*l.*, in memory of their father, the late Dr. Ludwig Mond.

MR. REX BLANCHFORD, pharmacist and optician, 76 High Street, Wimbledon, duly installed his successor in the chair of the "Edward Terry Lodge" on December 14. The retiring W.M. was presented by the initiates for the year with a Past Master's jewel and collar.

MR. TOM VALENTINE PETTIFER, F.R.C.V.S., of The Knoll, Tetbury, has been appointed a Justice of the Peace for Gloucestershire. Mr. Pettifer is a Veterinary Inspector of the Board of Agriculture and Fisheries, and principal of Messrs. Stephen Pettifer & Sons, Malmesbury.

MISS ELEANOR DAVIES-COLLEY, who has just been admitted a Fellow of the Royal College of Surgeons, is the first woman attaining the title. Dr. Davies-Colley entered the London School of Medicine for Women in 1902, and obtained the London M.B. and B.S. degrees in 1907 and the M.D. in 1910.

THE IMPORTS of drugs, chemicals, and apothecaries' wares into the Union of South Africa during the nine months ending September amounted in value to 698,000*l.*, against 637,000*l.* in 1910 and 564,000*l.* in 1909.



## TRADE NOTES.

To "CHLORATES" in the Buyers' Guide, *C. & D. Diary*, 1912, p. 181, add "284," being a reference to the advertisement of Messrs. Charles Mangold & Co., 9 Mincing Lane, E.C.

"C. & D. DIARY" BUYERS' GUIDE.—Soaps, toilet and other, p. 189. Will subscribers please change "358" to "338," being the reference to the advertisement of Messrs. Edward Cook & Co., Ltd., Bow, London, E.?

"RED CROSS PILLS," page 544," is an entry which should be made in the Buyers' Guide of the *Diary*, p. 188. It is one of the preparations made by Messrs. Fox & Co. (Liverpool), Ltd., 151 Dale Street, Liverpool.

TINCTURE PRESS.—Messrs. R. A. Lister & Co., Ltd., Dursley, are making a smaller size of the Pistonless Press for the use of chemists with moderate sized businesses. This is the first time that the hydraulic system, with its many advantages, has been applied to such a small press. The price is to be about 12l.

THE *Medina* appears to sail well within the view of the drug-trade. This week it again crosses our horizon, on this occasion with validol, the seasickness remedy, which Messrs. Widenmann, Broicher & Co., 33 Lime Street, London, E.C., had the honour of placing on board the royal yacht for the use of the Royal party.

CHRISTMAS HOLIDAYS.—Messrs. C. J. Hewlett & Son, Ltd., Charlotte Street, London, E.C., are closing their warehouses and laboratories for Christmas holidays on December 25 and 26, and for stocktaking on December 29 and 30. Messrs. J. T. Davenport, Ltd., 117 Union Street, London, S.E., close from December 23 until December 28.

MESSRS. HOWARDS & SONS, LTD., Stratford and Ilford, London, have issued a handsome 1912 calendar, printed in colours and gold. The bright colours are confined to exhibits of their chemical products, such as hyd. oxid. rub., iodoform, and hyd. iodid. rub., on one side, and a trophy of compressed tablets in different colourings on the other side.

P. A. T. A. PRICES.—The additions to the Protected List during December are: Anturic salts, Askham's Klenitas, (Dr.) Bengue's preparations, Gibbs' additional soap, Hyomee and preparations, Huxley's additional preparations, Kephaldol tablets, Kerfoot's Briar Violet soap, Lombio additional lines, Piver's additional specialities, "Populah" safety razor, Vanguard preparations, Yardley's additional soap. The removals are: Bonza Salve and Wood's Peppermint Cure.

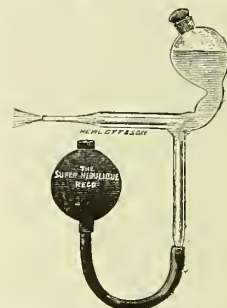
FOR CHRISTMAS AND THE FESTIVE SEASON Messrs. Thomas Christy & Co., Old Swan Lane, Upper Thames Street, London, E.C., offer two lines of goods, one appealing to ladies and the other to gentlemen. The former is artificial roses and carnations, delightfully perfumed and true to Nature in that respect as well as in appearance. Small roses cost 36s. per gross, long-stemmed carnations 27s., and buttonhole carnations 30s. per gross. The line for gentlemen is a series of cigars at 10s. 6d., 13s. 6d., 15s., and 19s. per hundred. They are very good value for the money, and are made of sound, well-flavoured tobacco.

"THE MEDICAL MAN AND THE TYPEWRITER" is the title given by the Yost Typewriter Co., Ltd., Holborn Viaduct, London, E.C., to an illustrated and daintily produced booklet, in which the advantages of the typewriter to medical men are set forth. In the centre of the booklet is given a facsimile of a *bona-fide* hand-written prescription of the problematic type, with a translation of it in Yost "Imperial" type, which includes the medical signs for R, D, Z, S. Specimens of medical MS. in Yost "Imperial," "Long Roman," and "Elite" type are also given. Any chemist can obtain a copy of the booklet free from the company on application.

MESSRS. W. H. CHAPLIN & Co., LTD., 48 Mark Lane, London, E.C., remark in a circular that "all traders will approve of the clause incorporated in the Finance Act, 1911, which empowers the Commissioners of H.M. Customs and Excise to make regulations to prohibit or restrict the mixture for sale of any British wines with any foreign wine or with any description of spirits, or

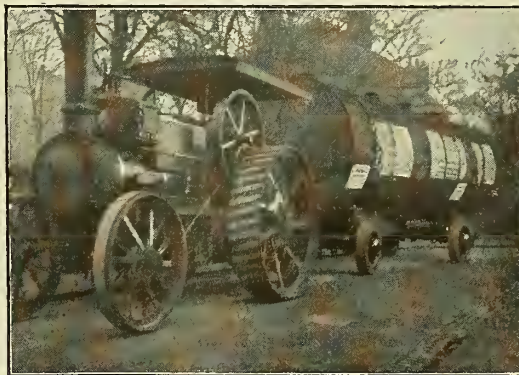
the sale or exposure for sale of any such mixture—the penalty for non-compliance being a fine of 50l. for each offence, and the confiscation of the goods in question. These regulations will make it illegal to offer for sale Spanish port or Tarragona, or any other foreign wine blended with British wine."

The "SUPER-NEBULIQUE" SPRAY, the latest atomiser introduced by Messrs. C. J. Hewlett & Son, Ltd., retains, as our illustration shows, the simplicity which characterises the series. The features are effectiveness in any position and that the spray will work with a very small amount of fluid. We find that it gives a fine cloud of spray with aqueous, oily, and spirituous solutions, working quite as well with a large as with a small amount of fluid. Being made of toughened glass it can be easily sterilised by boiling. The spray, which retails at 5s., costs 48s. per dozen.



SCIENTISTS' REFERENCE BOOK AND DIARY.—Messrs. James Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester, have published for the thirteenth year in succession this most useful pocket-book. It is a two-fold book, one part consisting of a diary, seven days on a page, with the general reference matter bound up with it; while the second part is a reference-book containing 100 pages of carefully selected data and facts which workers in most departments of science are likely to need at one time or other in the course of the year, and needing quickly they cannot obtain so promptly as through this pocket-book. Chemists are specially well catered for, a valuable table of physical constants of the elements and formulæ and solubility in water of many chemicals, besides test-solutions of approximate reciprocal strength, being among the useful features. The reference-book and diary is supplied bound in leather, with patent self-opening memo tablet and pencil, for 1s. 6d. Since the *C. & D. Diary*, 1912, went to press Messrs. Woolley's telephone number has been changed to "6,430 City." They have five lines. Please note this on p. 194 of the *C. & D. Diary*.

MESSRS. NEWBALL & MASON had a new boiler put into their works the other day. It attracted considerable attention as it was taken from the works of the makers (Messrs.



H. E. Warsop & Co.) to their own. It measures 80 ft. long, and is 30 ft. in diameter. It made a good advertisement for Mason's Extract of Herbs and Mason's Essence of Coffee, of which coloured showcards were displayed on the boiler.

COLLOSOLS.—Messrs. Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., have introduced new forms of colloidal mercury and silver under the name of "Collosols." The difficulty with colloids prepared by Bredig's method is that the activity diminishes according to the length of time they are kept, and with a view to



obviating this objection a series of experiments were conducted, the result being the production of colloids of pronounced stability. The collosol mercury is in the form of a slightly opalescent liquid. Mr. Hatschek, whose course of lectures on colloids was recently referred to in the *C. & D.*, has examined this product by the ultra microscope, and reports that it shows the characteristic appearance of a metallic solution. He also states that it contains sufficient protective organic colloid, is free from any reduced mercury salt, and exhibits stability when heated, no precipitation of the metal taking place. The same results were observed with collosol silver. Another point with collosols is that the solutions are sufficiently protected from putrefactive changes by the metal contained in them, this having been established by a series of bacteriological tests.

## TRADE-MARKS.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptrol'er-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," November 29, 1911.)

"FENWAY" and "SATURDAY NIGHT": for food-substances (42). By United Drug Co., Ltd., 19-20 Holborn Viaduct, London, E.C. 337,408/9.

"NHOO-YAM": for skin-preparations (48). By L. Britten-Holmes, 1 Roxburghe Mansions, Kensington Court, London, W. 336,552.

"PERONA": for perfumery, etc. (48). By T. S. Croft, 17 Castle Gate, Nottingham. 336,662.

"ELTHONA": for perfumery, etc. (48). By G. Turner, High Street, Biggleswade. 336,774.

(From the "Trade-marks Journal," December 6, 1911.)

"LEMTIC": for sheep-dip (2). By W. A. Mitchell, 108 Commercial Street, Dundee. 336,055.

"ANTIMORBIN": for chemicals (2). By R. Richter, Münchendorf 34, Lower Austria. 337,071.

"BELLONA": for belladonna-plasters (3). By Potter & Clarke, Ltd., 60 Artillery Lane, London, E. 335,742.

"FERMOCYL": for all goods (3). By Emil Rath, Gutleustrasse 30, Frankfurt-on-Main. 336,395.

"ULCEX": for medicinal preparations (3). By W. B. Hargreaves, 394 Bury New Road, Higher Broughton, Manchester. 336,505.

"PARATOPHAN": for medicinal chemicals (3). By E. Schering, 170-171 Muller Strasse, Berlin. 336,700.

"TRIUMPH": for pills (3). By Le Brasseur Surgical Mfg. and Publishing Co., Ltd., Geoffrey Buildings, John Bright Street, Birmingham. 336,720.

"LIVOL": for liniment (3). By W. Barnaby, 19 Cold Bath Street, Greenwich. 336,921.

"PHOSWEL": for medicinal chemicals (3). By C. O. Rainer, 14 Laneaster Road, London, S.E. 337,392.

"SOLVAX": for turpentine substitutes (4). By Craig & Rose, Ltd., 47 and 48 Bankside, London, S.E. 337,258.

"BIOFIX": for photographic apparatus (8). By Biofix, Ltd., 28 Sackville Street, London, W. 336,030.

"UNEACOL": for all goods (8). By United Yeast Co., Ltd., 80 Miller Street, Manchester. 337,178.

"SOLILA": for artificial teeth and dental preparations (11). By C. de Trey & Co., 13 and 14 Denman Street, London, W. 337,260.

"LYNARIS WATER" and label device; for a pure table-water (42). By Lynrock Natural Mineral Water Syndicate, Ltd., 5 Abchurch Yard, London, E.C. 335,297.

"VISEM": for a food-preparation (42). By St. Ivel, Ltd, Newton Road, Yeovil. 336,808.

"DUTCH TEAPOT BRAND" and picture of teapot; for various goods (47) and for perfumery, etc. (48). By Harrison & Crosfield, Ltd., 3 Great Tower Street, London, E.C. 335,873/4.

"TOLLBAR": for all goods (48). By J. D. Knowles, Roughwood, Leeds Road, Thornbury, near Bradford. 336,845.

"VERDOL": for a teeth-preparation (48). By G. Rosenthal, 21 Rue du Port Neuf, Bayonne. 337,182.

## PRESCRIPTION PROBLEM.

THE exercise which was set in our issue of December 2 brought us hundreds of postcard replies, and the number of errors was surprisingly small. The chief difficulty was the second ingredient in the nostril-paint, a few of the suggestions received being rather wide of the mark. If those competitors will compare the prescription with the correct reading they will have no difficulty in agreeing with the correct transcription. Another point, not of great importance in practice, but sufficient to disqualify many competitors in this exercise, was in regard to the reading of the first word of the prescription. The word is "sol.," according to the majority, the prescriber having attempted to alter the letter "L" to "S" when he realised that what he was dealing with was not an ordinary compounded lotion. The correct reading is as follows:—

Sol. Hydrogen Peroxid. 10 vols

M. 3iv et S.

Instill a few drops into the ear once a day and wash out 5 minutes later with  $\frac{1}{2}\%$  Lysol

Lysol 1 oz.

Ung. hyd nit dil. 5j

Ol Amygdal ad 5j

Paint into the nostrils at night

The names of the competitors who sent in cards posted on December 1 with a transcription accurate in every particular are:—

London.

Mr. J. Richards, 53 Knightsbridge, S.W.

Mr. E. Richardson, 369 Brockley Road, S.E.

Mr. C. H. Adams, 316 High Road, Brondesbury, N.W.

Provinces.

Mr. J. S. Arrandale, 16 Queen's Gate, Bolton.

Mr. S. A. Noott, c/o A. S. Price & Co., Ltd., Blackheath.

Mr. J. W. Lamb, 124 Northumberland Street, Newcastle-on-Tyne.

Mr. W. H. Day, "Fairlight," Duncan Road, Ramsgate.

Mr. E. A. Lamb, 209 Wilderspool Road, Warrington.

Mr. L. E. N. Surtees, 10 Paragon Arcade, Hull.

Mr. J. H. Bell, Dispensary House, Gloucester Green, Oxford.

Mr. M. Wood, 18 The Pantiles, Tunbridge Wells.

Mr. A. H. Kynaston, 265 High Street, Exeter.

The above are arranged according to the time on the post-marks, and prizes are awarded as follows: "The Art of Dispensing" to the persons sending the first correct solutions from the London district and from the provinces; to the others copies of "The Chemists' Medical Dictionary" will be sent. The next problem is

*4 drops of Tincture of  
10 h.c.*

*To be painted on night*

*turning*

*A camel hair brush*

Competitors are required to send their solutions, on post-cards, before the end of the year.

## Synthetic Sentences.

We are offering six half-guineas as prizes for sentences made up of words selected from the advertisements in the "C. & D. Diary, 1912." Appended are some of the sentences received. Others should be sent as soon as possible.

Efficient light for the window is one very important subject, which chemists should make a speciality.—*G. L. Austin (Hounslow).*

Dispensing pharmacists will never benefit under the Lloyd George Bill until a "scale" tariff is introduced.—*W. T. Hopps (Stechford).*

Unsurpassed high-class sales bringing advertising in conjunction with extremely practical useful business knowledge recommends *Chemists' Druggists' Diary*.—*G. Stewart Dunn (Deal).*

Good Evans, what Maw can you want than this *Diary* and a prize?—*P. H. Gamlen (West Hartlepool).*

Wanted, all pharmacists to join Ucal, the up-to-date system of co-operation. It is a financial success.—*J. Gilbert Jackson (Sheffield).*

The most important essentials for the chemist's financial success are personal control, punctuality, and conscientious work.—*J. E. Hudson (Newry).*

The use of original phrases of trade oracles is of peculiar value in an advertising campaign.—*A. E. Warden (Mitcham, Surrey).*

Time, money, and opportunity are lost by chemists who fail to advertise and to read advertisements.—*Hors Concours (the result of an hour's relaxation).*

If you aim at commercial success, you ought to study scientifically *THE CHEMIST AND DRUGGIST* advertisements.—*A. Screombe Griffin (Bath).*

Vaseline is a perfect ointment-base, and all pharmacists use preparations of the Cheshbrough Manufacturing Co.—*J. Waddington (Bristol).*

Up-to-date business-houses building up a reliable business say they find *THE CHEMIST AND DRUGGIST* indispensable.—*George H. Kaye (Bromyard).*

Push pays. British public appreciate good specialties, smart finish, quality guaranteed, packed strongly; labels bold, artistic.—*John J. Sawyer (Swindon).*

The *Chemists' and Druggists' Diary* is the most complete advertising medium for pharmacists in the world.—*Edwin G. Varty (Mumbles).*

A peculiar riddle: Why were the retail chemists cutting? Because the Boot —. Size it up!—*Harold A. Elsegood (Mitcham, Surrey).*

## "Punch" Humour.

Among "Charivaria" in the issue of December 20 is this paragraph:

"The Globe" in its 'Hints on Health' brings glad tidings to sufferers from chilblains. Our roseate contemporary informs its readers that this complaint may be referred to as 'Erythema Pernio.' We tried it the other day. We informed a friend that we were suffering from Erythema Pernio, and it was most gratifying to receive loving sympathy in the place of a callous jest."

"Humane Gifts" is the title of an entertaining article on Christmas gifts which is a parody of a daily's efforts. The following are examples of the "Punch" style:

"The 'Aftermath' Topper is a vade-mecum for the *bon vincur*, containing in its roomy crown a mince-pie disintegrator, a minim tip-measure, a mistletoe bough, and a lilliput drug-cabinet, which contains a perfect little pharmacy of Yuletide antidotes."

"A case of 'Ante-Noël Inoculators' makes an original and charming present. These little surgical toys serve a double purpose. Prick yourself lightly with one of them and you are sterilised against all the ills of Christmas, physical and financial. The needles are treated with a serum (the discovery of a Scotch scientist) of the active bacteria of Thrift and Haggis. The Thrift bacilli devour any rash proclivities of your red corpuscles towards Christmas benefactions; the Haggis bacilli have peptic properties that will fortify you against the inclemencies of the traditional fare of the season."

THE EXPORTS of asafetida from Lingah, Persian Gulf, during the Persian official year March 21, 1910, to March 20, 1911, amounted to 1,265 cwt., valued at 6,409/., against 8 cwt., valued at 9/., in 1908-9.



Postal Address:  
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.  
Telegraphic Address: "CHEMICUS LONDON."  
Telephone No.: BANK 852 (two lines).

## INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries received since our last issue:

2/33. "Peace" feeder.  
14/17. "She" perfumes.  
12/262. "Lotos" dentifrice.  
12/260. Kelly's catarrh-cure.  
4/16. Stephens' ginger-wine.  
3/46. Johnson-Lindsay trusses.  
12/261. Ford's drop conductors.  
239/1. "Neulise" shoulder-brace.  
3/47. Ward's temperature charts.  
4/52. "Co-Bar" for skin-diseases.  
14/13. Taylor's chlorodyne emulsion.  
12/26. McKenna's quinine-and-iron pills.  
7/70. "Ecor" (Luke, Henderson & Co.).  
12/13. "Rapidol" polishes: British agents.  
13/13. Chapman & Rogers' "Violet Velvet Bath-powder": London agents.

## INFORMATION SUPPLIED.

During the past week we have answered inquiries as to where the following articles can be obtained, and in many cases we have given the actual makers. The information will be repeated to any other inquirers who send to this Department a stamped and addressed envelope for the purpose.

Artificial flowers, perfumed, 11/800	Kainit (first-hand supply), 9/201
Alum manufacturers, 12/65	Kelvolin, 6/51
Bed-pans (Reg. No. 554,407), 9/31	Klement's "Alpine Cream," 11/61
Benzoinaqual, 12/26	Mackenzie's arsenical soap, 9/150
Brook's dental cream, 6/22	Nitrolim, 9/203
"Caffeta" coffee-maker, 7/24	Non-starchy foods, 12/56
Call's syrup alterative, 14/20	Pasteur Institute vaccines (British agents), 13/17
De Vilbliss atomisers, 13/66	Pedicure, 11/9
Digestin (Japanese), 11/61	Raffan's specialties, 10/17
Dried-milk machinery (Spanish inquiry), 13/43	"Rapidol" polishes, 12/13
"Duma" perfumery, 1/11 and 9/74	Rodine (rat honey), 11/32
Earthenware bottles, 3/570	Sanmetto (London agent), 8/15
Eau de Cologne Gegenüber dem Marien Platz, 9/63	Shellac importers, 13/66
Eucamphol, 14/22	Stone's filing cabinets, 8/46
"Everlasting" perfumed soap, 11/8	Sulphate of potash (for agricultural purposes), 9/2
Goddard's plate-powder, 9/15	Tanargentan, 8/2
Harnisch's nail enamel, 14/19	Tanocol, 9/2
Hearne's bronchitis-cure, 14/14	"Thelitone," 7/55
Humphrey's witch-hazel oil, 9/151	Thermo-laine, 13/18
"Jane Hading's Eau de Jeunesse," 10/42	Throat-tablets, 13/1
	Tin discs for plaster spoons, 9/57
	"Violet Velvet" bath-powder, 13/13
	Walker's card-cabinets, 18/460

## PRACTICAL RESULTS.

From a firm of Perfumery Manufacturers:

"We thank you very much for giving us the name of Messrs. —, of —, as inquirers for — perfume, and are pleased to inform you that we secured a small order from them for this perfume. In reply to our sample they wrote us that they were splendid value, and they thought it possible they may be able to do something with other kinds of perfumes which we packed, and they sent us a small order for other goods in addition. We thought it was only fair that we should let you know this, seeing that the introduction had resulted from your kind offices." (244/58.)



## OBSERVATIONS & REFLECTIONS.

By Xrayser II.

### "The Chemists' and Druggists' Diary, 1912,"

which has just come to hand, naturally claims my first attention this week. I shall not attempt to criticise it "in a hurry," for a reason which may be found under date January 5 in the Diary itself, but my attention has been caught by one or two features upon which an immediate opinion may be safely adventured. Necessarily much of the matter contained in such a publication must be simply a revised reproduction of items that have appeared in previous issues, but the Editor of the Diary always manages, like the wise householder, to bring out of his treasures things new as well as old; some fresh feature of importance invariably appears in every new issue. I am inclined to think that the instalment given us this year of a conspectus of provincial hospital Pharmacopœias is as valuable a Christmas present as we have ever received from him. Twenty-three hospitals have been laid under contribution for this beginning of what we must hope will eventually be a complete conspectus of the more important provincial formularies, worthy of a place alongside of Squire's Pharmacopœias of the London Hospitals. Even should this ideal not be reached, the formulæ already given are of great value as a guide to practice, and should be especially useful to prescribers under the Insurance Act. There is an exceedingly useful article in the Diary on "The Pharmacist as a Fanciers' Specialist." I think I detect a touch of pathos in the writer's remark that the fancier customer belongs to an exceptional class; he does, and the man who caters for him ought to cultivate exceptional patience; but custom of this kind is well worth having, though it is difficult to get—and keep. The dog fancier armed with a copy of "Stonehenge" ought always to be allowed his own way as much as possible; whatever happens he is sure to be right and you wrong. And personally I doubt whether "a little worldly wisdom" is sufficient for a successful deal with the poultry man, unless one has the art to make a little go a long way. The daily mottoes from Dr. O. W. Holmes are admirably selected, but a few of them show a characteristic tendency to more smartness than is compatible with pure truth. "'Mythus' is the ancient name for humbug" is a very hard saying, and a very fallacious one.

### The Passing of the Insurance Bill

undoubtedly brings us a step nearer to the realisation of such a National Medical Service as Mr. Lawson Dodd, M.R.C.S., etc., advocates in the Fabian Tract No. 160, and we shall do well to familiarise ourselves with the prospect of still further steps in the same direction. My forerunner in these columns, commenting in March 1909 on similar proposals of Mr. G. B. Shaw's, predicted that the Provident Dispensaries of the future would be the modern representatives of the old German apotheca, or city pharmacies, through which the bulk of the drug-trade of the country would be done. We are now face to face with the prospect then foreshadowed; not that Mr. Dodd's proposals are likely to be adopted at present or all at once, but it can scarcely be doubted that gradually some such scheme as his will be introduced. His plea for its adoption is two-fold, being based upon the present evil conditions both of medicine and of the public health. Medicine, he says, suffers immensely from the competitive system under which it is carried on, which inevitably reduces it to the level of a trade; doctors are so absorbed by the effort to make a living as to have neither time nor opportunity to cultivate as they should

### The Scientific Side

of their profession; commercialised in sentiment and aim, dependent upon the favour of an

ignorant public, and out of touch for the most part with centres of methodical teaching and progressive study, they are apt to drift into habits of routine which make real advance impossible. The evils accruing to the public are correspondingly great, and are aggravated by the conditions of private treatment. These affect chiefly those members of the middle classes who are neither rich enough to command the best skill and attention, nor so indigent as to be eligible for admission to hospitals. It is mainly to the nationalisation of hospitals and a large increase in the functions of the medical officer of health that Mr. Dodd looks for the gradual realisation of his ideal, and it will have been noticed that Mr. Lloyd George has already intimated that if, as a consequence of the Insurance Bill, hospitals suffer any loss of private charity (as it is most probable they will), the State will at least make good the deficiency. Complete State control of hospitals would almost inevitably follow. There are other points glanced at in Mr. Dodd's pamphlet, such as the supply of drugs, the restriction of "patents," etc., which make it worth the attention of pharmacists.

### My Opinion as to the Unsuitability

of bacteriology as a sideline for pharmacists does not prevent me admitting that there are very competent bacteriologists in the ranks of pharmacy. I happen to know a few men who are not qualified doctors, nor pathologists, and some of them not even pharmaceutical chemists, who practise bacteriology with considerable success, and some of these men have deservedly won the confidence of their medical friends. But one swallow does not make a summer, and it would not be wise to generalise from these brilliant exceptions. Mr. Beetham Wilson sees no reason why the making of vaccines should not be in the hands of pharmacists. I wonder how many medical men he will find to agree with him. The preparation of vaccines is an exceedingly delicate piece of work, and no one save thoroughly trained bacteriologists, who ought to be pathologists, has a right to undertake it. To put the matter on the lowest ground, any man who undertakes work of this kind without thorough training will either be an amateur or a quack, and pharmacists of all men should think twice before they rush in to do work that hundreds of men, qualified by long study, are willing and anxious to do. If we think we are competent to do work which only highly specialised medical men will themselves undertake, on what possible pretext can we object to unregistered men attempting to steal our patrimony? Doubtless, we have the legal right to object, but the moral obligation is even higher than that. The public have a right to be protected against illegitimate practice by whomsoever undertaken, and the moment vaccines are officially recognised—and that time must come ere long—restrictions will undoubtedly be placed on their preparation.

### Common Sense

frequently runs counter to statute law, and it is refreshing to hear the views of the man of the world on those restrictions that have tied up pharmacy in this country. Mr. Glyn-Jones was perplexed as to the way in which the manager of a branch pharmacy was to get his half-holiday and moved an amendment to exclude him from the operations of the Shops Bill. But Mr. Churchill brushed aside Mr. Glyn-Jones's arguments as mere technicalities; he could not see why a branch manager, just because he was a chemist, could not have his half-holiday in exactly the same way as anybody else. Now this is very courageous of Mr. Churchill, and it shows the proper spirit towards the oppressed ninety-hours-a-week chemist's assistant, but I wonder what is going to happen when the branch shop is closed and the chemist's assistant miles away on the golf-course. Even if an arrangement be come to for having prescriptions dispensed during half-holidays, how are those containing poisons to be legally handled? I suppose we shall muddle through somehow, and though Mr. Churchill's dictum may not go far to help, it shows at least that his heart is in the right place.



## Good Winter Lines FOR LUNG & THROAT AFFECTIONS.



"To breathe 'Sanitas' is to breathe health."—GORDON STABLES, C.M., M.D., R.N.

Each.  
"SANITAS" Bronchitis Kettles 2/6  
and in Solid Brass - - 7/6  
"SANITAS" Inhalers - - 2/6  
"SANITAS" Pocket Inhalers 1/-  
"SANITAS" Oil 1/- & 4/- Bottles.  
"SANITAS" Embrocation,  
1/- & 2/6 Bottles.

PAMPHLETS FREE.

The "Sanitas" Co.,  
LIMITED,  
LONDON, E.

## JEWSBURY & BROWN'S CITODA

The Special SODA WATER  
for Milk Diet  
and all Medical Purposes.

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## Editorial Articles.

### The Six Cardinal Points.

THERE is a slight change in the medical attitude towards the National Insurance Act. The meetings of protest which have been held throughout the country are in some measure a protest against Mr. Smith Whitaker's appointment as a Commissioner. The attitude of the British Medical Association amid the turmoil appears to be one of diplomatic reserve; probably it is felt that tempers will cool considerably during the next twelve months before the provisions of the Act as to medical benefit can be enforced. At a meeting of the Scotch Committee of the Association held in Glasgow on December 16, it was decided to recommend medical practitioners in Scotland to attempt to work under the Act; also that practitioners should undertake the formation of local medical committees, and to advise the members to accept office thereon. It was also decided to let the Insurance Commissioners for Scotland know that the profession in Scotland is determined not to accept service under the Act unless the six "Cardinal Principles" of the Association are granted. This has been put forward by some newspapers as uncompromising hostility! The six principles have become a parrot cry among medical men, and it might be inferred that the principles have not been granted. They are as follows:

1. Free choice of doctor by the patient.
2. Freedom of the doctor from Friendly Society control.
3. A 21. wage-limit for those insured.
4. Adequate representation on the Insurance Committees.
5. That a method of payment should be adopted by each Health Committee in accord with the preference of the medical profession of the district.
6. Medical remuneration to be in accordance with what the profession consider adequate, having due regard to duties to be performed and other conditions of service.

The first is granted by Section 15 (2) and the second is entirely covered by Section 15, which entrusts the administration of medical benefit to Insurance Committees. The third principle is met by Section 15 (3), which gives the Insurance Commissioners power to make regulations under which each Insurance Committee may fix a maximum limit of income above which the insured person will get a money payment in lieu of medical benefit. The fourth principle was met by the arrangement between Mr. Lloyd George and the Association, and is fully dealt with in Section 58, fuller representation of medical practitioners on local councils having been obtained. There is complete recognition of local medical committees by Section 61, which expressly requires Insurance Committees to consult them, and this provision, along with the provisions of Section 15, afford to medical practitioners the means for securing the fifth and sixth principles. Lord Sandhurst, who spoke in the House of Lords on the second reading of the Bill on December 11, dealt specially with the medical profession's case, and in the course of his speech remarked:

"We all know that medical men put forward in the first instance six points through the British Medical Association. Four of those points, I think I am correct in saying, are already embodied in the Bill, and the others can be met under the machinery provided in the Bill, so far as is consistent with the public and professional interests, provided that the financial requirements are satisfactorily adjusted."



No doubt there may be difficulties about the arrangements with the doctors. It may not be easy to get the medical profession promptly into administrative line; but we may feel confident, I am sure, that while these arrangements are in the course of making or proceeding to perfection the poor people will not suffer from want of medical attendance."

We quote this merely to show that in the highest places it is recognised that little of the principles remains to be obtained, and the provisions of the Act have been adapted to facilitate conditions equitable for each locality. The attitude which medical men now take is "rough" on the British Medical Association, and somewhat ungrateful. It is in marked contrast to the attitude of the drug-trade towards the Pharmaceutical Society. Although the Society's efforts have not been so fully reflected in the Act as those of the Association, not a whisper of discontent against its work has been uttered, and expressions of gratitude are now beginning to be heard and written. And there will be more when Viscount Haldane's remarks about pharmacists are read (see index folio 914), and it is realised that the existence of the spirit of his words had to be encountered from the moment that Mr. Lloyd George introduced the Bill.

### Japanese Trade in 1910.

THE eleventh Financial and Economic Annual of Japan, for 1910, printed by the Government Printing Office at Tokyo, which has recently been issued, presents a huge quantity of information, with valuable diagrams and statistical tables, all of which bear out the statement that Japan's economic capacity is steadily expanding. While last year witnessed a substantial recovery from the period of depression which followed on the overtrading that occurred in Japan in 1907 and brought in its train disasters and a set-back to the natural development of the country's commerce, the improvement would have been more pronounced but for the disturbance caused by anticipations of alterations in the import tariff. It was certainly unfortunate that when trade was beginning to revive, such a disturbing event as an alteration of the import duties should occur to unsettle commercial conditions; but the new tariff is part of the policy of the Japanese Government of giving assistance to new industries in its own country by means of subsidies or protection. The increase in the new import duties which came into force in July of this year is large, and it is to be feared that in some cases they will be sufficient to impede seriously further business. So far as 1910 was concerned, however, business suffered from an uncertainty as to what reductions would result from any conventional tariff arrangements which might be concluded subsequently with any of the treaty Powers and from various rumours as to the postponement of the date of enforcement; but, notwithstanding any effect which may have been produced by these uncertainties, the results for 1910 must be considered satisfactory. The official figures are:

	1910 £	1909 £	Increase in 1910 £
Imports ...	48,239,000	40,241,100	7,997,900
Exports ...	48,269,400	42,171,900	6,097,500
Total ...	96,508,400	82,413,000	14,095,400

As regards imports, the principal advance last year was in raw cotton, being as much as 5,210,000*l.*, equal to nearly 50 per cent. Cotton textiles fell off, however, this probably being due to an absence of increase in the spending power of the people. Drugs, chemicals, and medicines were imported to the value of 2,032,700*l.*, against 1,728,000*l.* in the previous year, an increase of 304,700*l.*;

while iron and steel, wool and woollen tissues all recorded substantial increases.

The export trade for 1910 was the largest on record, the previous highest having been in 1907, when the amount was 44,142,000*l.* Raw silk is by far the largest item of export, and last year there was an increase of 672,700*l.* under that head, the total amount being 13,355,900*l.* It is to be noted, however, as an instance of the growth of Japan as an industrial country and as a future competitor in the world's markets, that the exports of manufactures in several instances showed very substantial increases. Cotton yarns take second place as regards total, the increase being no less than 1,397,600*l.*, the total export being 4,629,200*l.* China took 90 per cent. of the total export. Drugs, chemicals, dyes, etc., were exported to the value of 892,800*l.*, as against 880,300*l.* in the previous year, and oils and waxes are represented by 521,700*l.*, against 480,200*l.* in 1909. As regards the shares of the principal countries in the foreign trade of Japan, the British Empire still holds the lead. British India's trade with Japan increased by 4,643,000*l.*, or 57 per cent., mainly owing to Japan's increased imports of raw cotton, and the United Kingdom's trade advanced by 731,000*l.*, or 6 per cent., to 12,299,000*l.* The United States is Japan's best customer, and took 14,669,600*l.* of its exports, as against 13,428,800*l.* in 1909, and as compared with the United Kingdom's 2,631,800*l.* The total of the British Empire's trade with Japan amounted to 30,647,800*l.*, while the total with the United States was 20,253,500*l.* Trade with China increased by 32 per cent., to 16,191,100*l.*, and with Germany by 14 per cent., to 5,626,200*l.*

### Agri-Horticultural Chemicals.

THE Sales for Agricultural Purposes Bill, which was passed by the House of Lords on Friday, December 15, contains several points of interest to chemists. Its purpose is to repeal the Fertilisers and Feeding-stuffs Act, 1906, in order to amend various provisions. The chief alterations are that under the Bill statements in an invoice or descriptive advertisement, etc., are to be an absolute warranty as to the facts stated, but limits of error in relation to percentages are preserved in the case of prosecutions. Further particulars are required to be given in certain invoices, and the obligation to give an invoice, which up to now has only applied to articles sold for use as fertilisers and food for cattle or poultry, is extended to dips for cattle, steeps for seeds, washes for plants, weed dressings and killers, and insecticides. In respect of such articles it is provided that samples shall be submitted to the Board of Agriculture for approval, and that "on a sale the invoice shall state that the article sold is not below the quality or standard of a sample of the article submitted to and approved by the Board of Agriculture and Fisheries." This is the statement embodied in a memorandum attached to the Bill, and it refers chiefly to the provisions of Clause 2, which is as follows:

"Where a person sells any article for use as a wash for plants, or as a steep for seeds, or as a dip for cattle, or as a weed dressing or killer, or as an insecticide, he shall give to the purchaser an invoice containing the full trade-name of the article, and stating that the article sold is not below the quality or standard of a sample submitted to the Board in accordance with conditions to be prescribed by the Board."

The penalty attached for breach of the provision is a fine not exceeding 20*l.* for a first offence, and not exceeding 50*l.* for any subsequent offence. The clause which we have quoted covers a large number of articles. We only give as instances simple substances, such as copper sulphate,



preparations such as Bordeaux mixture, and proprietary weed-killers. It would be possible under the Act for samples of all these to be required by the Board before they are sold by retailers. The regulations are to be submitted in draft to Parliament, and may be disallowed if either House decides against the draft or any part of it. Agricultural seeds for sowing are also dealt with by giving power to take and forward to the Board of Agriculture to be tested for purity samples of such seeds sold or exposed for sale. Similar provisions for Ireland were made by the Weeds and Agricultural Seeds (Ireland) Act, 1909. The veto of the Board of Agriculture upon prosecutions is discontinued. Twenty-one days are allowed for taking samples, and the period within which a prosecution may be instituted is extended to four months after the receipt of the invoice. The section dealing with the invoices on the sale of food for cattle and fertilisers refers to three schedules to the Act; the first schedule contains the names of the fertilisers with which an invoice has to be given, stating the respective percentages (if any) of nitrogen, citric-soluble phosphates, citric-insoluble phosphates and potash contained therein. These include sodium nitrate, calcium nitrate, calcium cyanamide, kainit, potassium chloride, potassium nitrate, potassium sulphate, and other potash salts. The second schedule contains the names of the feeding-stuffs upon the sale of which an invoice has to be given stating the respective percentages (if any) of oil, albumoids, and soluble carbohydrates. These include linseed cake, cotton cake, and other similar feeding-stuffs. The third schedule contains a list of exempted articles, these being molassine, molascuit, bastol, sugar meals, and lime. The chief analyst, who must not engage in private practice, and chief seed-tester under the Act are to be appointed by the Board of Agriculture. There are also to be appointed by local authorities analysts and samplers, who must not be engaged or interested in any trade, manufacture, or business connected with the sale or importation of articles to which the Act applies. Power is given to purchasers to have articles analysed, examined, or tested by the analysts, on payment of the prescribed fee, if any, but samples to be used in a prosecution require to be taken in a formal manner. In the construction section it is laid down among other things that the expression "food" includes "any condiment or substance used to admix with ordinary feeding-stuffs," and the provisions apply to both wholesale and retail sales. It will thus be seen that chemists in agricultural districts may, in the event of the Bill becoming law next Session, need to make some changes in their methods of business, and it will be necessary to give the Bill close pharmaceutical attention when it comes before the House of Commons.

### An Objectionable Label.

It appears that an American trading firm issues to retail traders a label as follows:

*"If satisfactory results are not obtained from this Preparation, ask us about the — remedies. We recommend them."*

Labels of this kind are always objectionable and offensive to the British spirit of fairplay. Apart from that, we may recall the fact that Messrs. Elliman, Sons & Co., of Slough, some years ago took legal proceedings against a firm who affixed a label of similar nature on Elliman's Embrocation, and obtained an injunction against them restraining them from continuing that illegal practice.

### The Shops Act.

It will be noticed from our parliamentary report that the provisions of this new Act in its application to

Ireland are more comprehensive than when the Bill left the House of Commons. The sub-section applying to premises licensed for the sale by retail of intoxicating liquors is quite at variance with the general principles of the Bill, and it is to be regretted that Mr. Glyn-Jones's objections to it were not properly supported. In referring last week to orders which may be made for the closing of chemists' shops, we overlooked the provision in the Act which states that the occupier of a shop shall not be guilty of an offence against the Act when a customer is served at any time when such a shop is required to be closed, if he proves *inter alia* that there was reasonable ground for believing that the article supplied to the customer was required in a case of illness. This will, of course, give chemists liberty to sell and supply medicines at any time in case of illness.

### "Medicine in Fiction."

This is the title of an interesting and amusing article by Dr. S. Squire Sprigge, Editor of "The Lancet," in this month's "Cornhill," in which complaint is made, firstly, of the treatment doctors too frequently receive at the hands of novel-writers by being represented as either impossible heroes or incredible villains (Dr. Sprigge does not say which misrepresentation he considers most injurious); and, secondly, that in their descriptions of the symptoms and progress of diseases most writers of fiction are dreadfully unscientific. He makes an exception with regard to plague, which has (thanks apparently to Defoe's lead) been upon the whole well described by them, and he singles out for praise Mr. H. James's description of phthisis in "The Portrait of a Lady," Charles Reade's account of the recovery of Helen Rolleston from the same complaint in "Foul Play"—which is, he says, a remarkable forecast of our present treatment of pulmonary tuberculosis—and Maupassant's of cardiac disease in "Une Vie." Of the knowledge of medicine displayed by Flaubert in "Madame Bovary" he makes no mention—a strange omission. Fevers, insanity, and dyspepsia seem to have been pitfalls for imaginary writers; they do not, however, as Dr. Sprigge wittily says, "hit below the belt," but leave kidney, liver, and spleen alone. Probably it would require more literary ability than most of them possess to make an enlarged liver interesting, not to say romantic, although the liver was at one time regarded by our poets as the seat of the affections, which afterwards removed to the bowels, before taking up their residence finally, let us hope, in the heart. Dr. Sprigge appears a little jealous of the favour shown to the hospital nurse by novelists. He assures us, somewhat unnecessarily, that she is not the soft-voiced ministering angel they imagine her, who tends her patient unweariedly day and night, and does not even leave him to get her tea.

**Artificial Violet Perfumes.**—In the course of a note in the *C. & D.*, October 21, index folio 596, it was stated that

It is no exaggeration to say that its use [i.e. of duo-decyl aldehyde] is to-day almost necessary if the finest artificial violet perfumes are to result. According to the most recent reports from French perfumers, the addition of from 5 to 10 per cent. of this aldehyde to any of the bodies of the ionone type produces a bouquet infinitely superior to that of simple ionone, and quite sui generis.

The "Perfumery Record," commenting upon this, remarks "as it was quite contrary to our experience, which we recognise is comparatively small, we made further experiments, and were not able to see any advantage in its employment. On this subject, therefore, we communicated with Mr. L. Givaudan, and in response to our communication he writes that he confirms our opinion that duo-decyl aldehyde is of absolutely no use in violet perfumes. He confirms the observations which we have made that it is decidedly useful in perfumes of the orange type, and more especially for lily of the valley. He adds, however, the following warning: 'Its use in general is rather difficult, and it must be employed in very moderate quantities only, and thus it gives to a great many bouquets a shade of freshness.'"



## "National Formulary."

THE following is the third instalment of some of the new formulas that have been suggested for inclusion in the forthcoming edition of the "National Formulary":

### MISTURA FERRI SALICYLATA.

#### Cohen's Salicylated-iron Mixture.

Sodium salicylate ...	125 gm.
Tincture of ferric chloride ...	125 c.c.
Ammonium carbonate ...	6.5 gm.
Citric acid ...	14 gm.
Oil of betula ...	4 c.c.
Glycerin ...	175 c.c.
Distilled water to ...	1,000 c.c.

Dissolve the citric acid in 200 c.c. distilled water, add the ammonium carbonate, and then dissolve the sodium salicylate in this solution; add the tincture of ferric chloride, glycerin, and the oil of betula, mix, and then add sufficient distilled water to make 1,000 c.c., and filter.

### GARGARISMA GUAIACI COMPOSITA.

#### Cohen's Guaiac Gargle.

Ammoniated tincture of guaiac ...	100 c.c.
Compound tincture of cinchona ...	100 c.c.
Clarified honey ...	200 c.c.
Potassium chlorate ...	40 gm.
Oil of peppermint ...	2 c.c.
Distilled water to ...	1,000 c.c.

Place the clarified honey in a bottle graduated to 1,000 c.c., then gradually add the mixture of the oil of peppermint and the tinctures, shaking after each addition. Then add in divided portions, with continuous shaking, the solution of the potassium chlorate in 500 c.c. of warm distilled water; then add sufficient distilled water to make the mixture measure 1,000 c.c.

### NEBULA AROMATICA.

#### Cohen's Aromatic Oil Spray. Aromatol.

Phenol ...	0.2 gm.
Menthol ...	0.2 gm.
Thymol ...	0.1 gm.
Camphor ...	0.3 gm.
Benzoic acid ...	0.3 gm.
Eucalyptol ...	0.2 c.c.
Oil of cinnamon ...	0.2 c.c.
Oil of cloves ...	0.2 c.c.
Oil of betula ...	0.5 c.c.
Liquid petrolatum to ...	100 cc.

Dissolve the aromatics in the liquid petrolatum, and filter.

### NEBULA EUCALYPTOLIS.

Eucalyptol ...	5 c.c.
Liquid petrolatum ...	95 c.c.

Mix.

### NEBULA MENTHOLIS.

#### Menthol Spray.

Menthol ...	2 gm.
Liquid petrolatum to ...	100 c.c.

Dissolve the menthol in the liquid petrolatum by agitation in a stoppered bottle.

### NEBULA MENTHOLIS COMPOSITA.

Menthol ...	1 gm.
Camphor ...	1 gm.
Oil of betula ...	0.5 c.c.
Eucalyptol ...	0.2 c.c.
Oil of cinnamon ...	0.2 c.c.
Liquid petrolatum to ...	100 c.c.

Agitate the ingredients in a stoppered bottle until solution is obtained, then filter if necessary.

### NEBULA THYMOLIS.

Thymol ...	1 gm.
Liquid petrolatum to ...	100 c.c.

Mix.

### INUNCTUM MENTHOLIS.

Menthol ...	5 gm.
Hydrous wool-fat ...	95 gm.

Rub up the menthol with a portion of the hydrous wool-fat till a perfectly smooth mixture is obtained, then add the remainder and incorporate thoroughly.

### INUNCTUM MENTHOLIS COMPOSITUM.

Menthol ...	5 gm.
Methyl salicylate ...	10 gm.
Wool-fat ...	85 gm.

Dissolve the menthol in the methyl salicylate and thoroughly incorporate the mixture with the wool-fat.

Compound menthol inunction should be kept in collapsible metal tubes, well sealed, or in small, tightly stoppered wide-mouth bottles.

PASTA RESORCINOLIS FORTIOR, LIASSAR.—Same as "P.F.," p. 735.

### MEL ROSÆ CUM BORACIS.

Borax in fine powder ...	10 gm.
Glycerin ...	5 gm.
Honey of rose ...	85 gm.

Mix the borax with the glycerin, then add the honey of rose, and stir till dissolved.

MEL SODII BORATIS.—Mel boracis, B.P.

## REVIEWS.

*Fourth Report of the Wellcome Tropical Research Laboratories at the Gordon Memorial College, Khartoum.* Vol. A. Medical. 11 in. by 7½ in. Pp. 404. 21s. net. London: For the Department of Education, Sudan Government, Baillière, Tindall & Cox, 8 Henrietta Street, Covent Garden, W.C.

We have on other occasions borne testimony to the excellent scientific work which the Gordon College at Khartoum is doing for the Sudan. The activity of the work has in no way slackened through lapse of time, as is evidenced by the record contained in the present volume. Dr. Andrew Balfour, Director of the Laboratories, briefly mentions the troublous times which followed the fire, and records that the difficulties were greatly minimised by speedy and ample aid from Mr. H. S. Wellcome, and the Director of Education and his staff. Mr. E. O. Inglis, a laboratory assistant, who had only been there six months, has died since the issue of the last report. His place has been filled by the appointment of Mr. G. Buchanan, and further help obtained in the person of Mr. A. Marshall. The Director of Education has made two new appointments, Dr. James Thompson and Capt. W. E. Fry; but we gather that the staff is not yet so complete as is desirable to cope with the work. Some work is also done by scientists who visit the country for a season. One of these, Dr. A. C. Stevenson, was able to discover coccidiosis in Sudanese goats, an observation which enabled the veterinary officers to take measures for stamping out the disease amongst infected herds. The report usually in one volume is this time divided into Vols. A. and B., the first one dealing with the medical subjects, and the second one with general science. Vol. A. represents the research and routine work done in the bacteriological section, but includes papers by Lieut.-Col. H. B. Mathias on sleeping sickness, and Captain L. Bousfield on kala-azar and relapsing fever. Among the reports are accounts of the discovery by Captain Archibald of the existence of human botryomycosis in the Sudan, the presence of a special fever due to a specific microbe, the occurrence of acid-fast bacilli like *B. tuberculosis* in the lungs of camels, and a form of cutaneous leishmaniasis not hitherto found in the Sudan. Dr. Balfour has continued his work on fowl spirochaetosis, especially as regards the changes undergone by spirochaetes ingested by the ticks which serve as vectors. The results confirm those obtained by Leishman in human tick fever, and may have an important bearing on African tick fever and other spirochaetal infections of man. One paper deals with the fallacies and puzzles met with in blood examinations, and another deals with the life of the sanitary inspector in Khartoum. The question of the water-supply of Khartoum has occupied much of the time of the Director. A curious coccal form of the diphtheria bacillus has been met with, and in the form of "Veterinary Notes" an account is given of the work done in regard to diseases of animals. The book is copiously illustrated with maps, drawings, and coloured plates.

*Foods and Drugs.* By ERNEST J. PARRY, B.Sc. (Lond.), F.I.C., F.C.S., Barrister-at-Law. Vol. I.—The Analysis of Food and Drugs (microscopical). 9½ in. by 6 in. Pp. viii + 744. With 59 illustrations. 21s. net. Vol. II. The Sale of Food and Drugs Acts, 1875-1907. Pp. iv + 181. 7s. 6d. net. (Scott, Greenwood & Sons.)

THESE two volumes are the complement to each other, the first, dealing with the chemistry of the subject,



bearing the impress of a legal mind, while the presentation of the statutory provisions and the judicial interpretations thereof, are tinged with the analytical experience of a practising chemist. Therein the work is distinguished from most of those which deal with the Sale of Food and Drugs Acts, and it is free from the one-sidedness which has characterised some books on the subject of dual authorship. Fully one-half of the first volume is devoted to the chemistry and microscopy of foodstuffs, the method of treatment, as far as a reader can judge, being to describe the chemical and general properties of the article; to present the facts regarding the constituents which determine its quality, showing how these may vary naturally or otherwise; then the analytical methods which are employed to estimate the quality of the article are set forth, with the opinions of authorities upon the results, tables of data being made a special feature. It is apparent that the design is to assist chemists not only in regard to manipulative processes, but in forming deductions from the data obtained on analysis with special objects in view—viz., maintenance of a pure food supply—in short, the author never loses sight of the fact that the analysis may be the first stage of a legal process, seriously affecting the trade interests of those who have sold the goods, therefore, that they must be conducted and interpreted with judicial fairness. This is a commendable feature, and it is exhibited throughout the whole volume.

The first of the six chapters which deal with foodstuffs is devoted to the breakfast beverages—tea, cocoa, and coffee. Tea we know to be one of the purest natural products sold in this country, as it is subject to Customs inspection on importation, and adulterated tea is not admitted. Nor does adulteration occur while it is in the hands of dealers. The fifteen pages devoted to tea are sufficiently informative. There is more scope for the analyst in cocoa, chocolate, and coffee, which in the crude state have not so wide range of commercial values as tea has, and as retailed are more commonly mixed. There is a wealth of data in regard to these in the chapter. It is well known that milk and milk products form the bulk of the work that falls to the public analyst. Those with lard, suet, and olive oil occupy a chapter of seventy-six pages, being one of the longest in the volume. After dealing with the composition of milk, Droop Richmond's uniquely valuable data being quoted, analysis is explicitly and succinctly described, with details of approved processes, illustrations of apparatus, tables of data and factors, and quotations from Government reports dealing with this food. The second volume contains all the Board of Agriculture's regulations regarding milk, besides other information which is serviceable to public analysts and others concerned with the administration of the Acts. Cheese follows milk; then comes an excellent treatise on the composition and analysis of butter, this being rich in the factors requisite for optical examination, upon which the analytical valuation of butter practically depends. Carbohydrates are the subject of the next chapter, these including malt extracts, and here the author gives a fair exposition of Harrison's method and Ling's criticism of it which led to its improvement. Baking-powders also occur in this chapter; but this section seems to have been printed before the Local Government Report on the subject was issued. It will be necessary to augment this section in the light of that report, and to treat self-raising flour more fully. Spices and flavouring-essences occupy eighty-two pages, features here being the illustrations of microscopic appearances and analytical data by different observers which the author cogently epitomises. Vinegar separates spices from flavouring-essences. As to the latter, we find a number of useful analytical methods, and some information as to what the public may expect and are entitled to get in essences. The analysis of alcoholic beverages and flesh foods is dealt with in the two succeeding chapters, then comes one by Professor H. G. Greenish on microscopical analysis, a pithy and illuminative chapter of eleven pages, describing methods.

The second part of the volume is devoted to drugs, and

extends from p. 427 to p. 688, being divided into five chapters, the first of which covers crude drugs, the second drugs which owe their properties to alkaloids or other separable active principles; in a third essential oils are treated; then follow a chapter on the oils, fats, and waxes of the British Pharmacopœia and another on the chemicals. Throughout this part the author shows familiarity with the drugs he writes about, the conditions of supply, and the criteria of valuation, as well as of pharmaceutical literature and the purposes of the British Pharmacopœia; but it is obvious that he has kept clearly in view the needs of public analysts who may be called upon on rare occasions to examine and report upon a drug that they may never have seen before. Such men want to get at all the facts quickly. It is no easy task to eliminate from a monograph on any drug what is immaterial for the purpose of arriving at a decision as to whether or not it may be passed as unadulterated; but it appears to us that Mr. Parry's is a successful achievement, besides his monographs should also be serviceable in pharmaceutical laboratories.

Turning now to the second volume of the work, we find that the author has not departed from the conventional method of treating the Acts of Parliament, which is to present each Act section by section, with decisions under each section. It introduces a novelty, however, which may be illustrated, as well as the method generally followed, by reference to Section 6 of the 1875 Act—one most familiar to traders. The section is printed in black type. Under it in ordinary type there are observations on DEFENCES, with concise statements regarding ruling cases. Next is a part with the heading LIABILITIES OF SERVANT, MASTER, LIMITED COMPANY; then THE PREJUDICE OF THE PURCHASER AND THE NATURE, SUBSTANCE, AND QUALITY DEMANDED. Under all these the ruling cases are stated. The matter thus far referred to occupies seven pages, but we have to turn over another twenty-five pages before we reach Section 7, and these pages contain the distinguishing feature of the volume. First, are the Board of Agriculture's rules and regulations as to milk, cream, and butter; also the Irish regulations; next come definitions by the author; then observations with ruling cases on lard, cocoa, and chocolate, coffee, vinegar, coppered vegetables, jam and marmalade, golden syrup, mustard, meat extract, tea, spirits, rice, sago, sugar, preservatives, aerated waters, beer, and drugs, the last extending to eight pages, and including a discussion of the British Pharmacopœia as a standard under the Acts. These remarks serve to illustrate the method of treatment. It is carefully done, and the result is an interesting exposition of the statutes, which should be serviceable in legal chambers and law courts.

## BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

TAYLORS' DRUG STORES, LTD., have opened a branch at 4 Crown Street, Halifax.

MESSRS. PFEIFFER & Co., of 4 Cullum Street, London, E.C., intimate that after December 25 their address will be St. Dunstan's House, Cross Lane, London, E.C., whither they are removing.

MESSRS. G. H. OGSTON & MOORE, analytical chemists, have removed from 39 Lime Street, London, E.C., to more spacious premises at 87 and 89 Aldgate, E. The firm's laboratories in Sicily have also been moved back to Messina.

MESSRS. A. H. COX & Co., LTD., manufacturing chemists, Brighton, intimate their removal to new premises at 93 Lewes Road, Brighton, by a postcard bearing an impressive view of the works, which are seen from the railway viaduct familiar to all Brighton visitors.

"THE CHEMIST-OPTICIAN" (Office of C. & D., 48.)—A subscriber in Jamaica writes: "The Chemist-Optician" is a very interesting and valuable book. It puts out the facts so plainly and clear that anyone can readily grasp them. I am glad I obtained a copy."



## WINTER SESSION.

### Association Presidents.

It is a remarkable circumstance that pharmacy in Great Britain has not been able to sustain more than two chemists' assistants' associations for a quarter of a century; these are the Chemists' Assistants' Association (London), which was founded in 1877, and the Edinburgh Chemists', Assistants', and Apprentices' Association, founded a year later.



MR. E. J. BROWN.

The Edinburgh one is the premier in numbers and in sustained interest; it has not had the vicissitudes of the London body, and has had the good fortune since its inauguration to enjoy the shelter of the North British Branch of the Pharmaceutical Society, and the assistance of its local officers. Also has it been fortunate in its Presidents, for those who have passed the chair, and remained in Edinburgh, have stuck to it, continuing to take their part as ordinary members and encouraging the youngsters to come along. We have an instance in this year's President—Mr. Edward James Brown, Ph.C.—who is one of the right-hand men to a past-President, Mr. Wm. Duncan. Mr. Brown commenced his apprenticeship with Mr. J. L. Russell, Ph.C., Portobello, in 1891, then passed to the laboratory of the Edinburgh Royal Infirmary, under the late Mr. Charles Arthur, and subsequently his successor, Mr. T. Alexander. During that time he attended the botany and chemistry classes at Heriot-Watt College, and in 1897-8 attended lectures of the Royal Dispensary School of Pharmacy, passing the Minor examination in July 1898. During the Boer War he volunteered as dispenser to the Edinburgh and East of Scotland South African Hospital, and in due course received the Queen's Medal. Returning home at the end of 1900, Mr. Brown became senior assistant in the laboratory of the Royal Infirmary, which he resigned in 1901 to renew his studies at the Royal Dispensary School for the Major examination, after passing which he was appointed on the teaching staff of the school. He was elected President of the Edinburgh C., A., and A. Association in 1909, and has held office ever since—a typical "Duncan's man."

### Brief Records.

**Chemists' Assistants' Reform Union.**—Mr. H. C. Bedding (Hon. Secretary) informs us that Mr. W. Thomson, M.D., has been elected President of this Union.

**Ipswich Chemists' Association.**—A meeting was held at the Great White Horse Hotel on December 14, the Vice-President (Mr. J. C. Wiggins) in the chair. Only a small number of members was present, but interesting views were expressed on the National Insurance Bill and the Shops Bill as they affect pharmacists.

**Peterborough Association of Pharmacists.**—A Council-meeting was held at the Grand Hotel on December 6, the President (Mr. J. W. Bodger) in the chair. The National Insurance Bill was discussed, and the meeting adjourned until December 19. Mr. Aitken, of Spalding, was elected a member, and Mr. F. Sturton auditor. It was arranged to hold the annual dinner on February 1.

**Newport Pharmacy Association.**—A meeting was held at the residence of the Secretary (Mr. D. Lloyd Jones, chemist, 127 Commercial Street, Newport) on Tuesday evening, December 12. There were present Messrs. Gratte (President), Badgett, Findlay, William Paine, Shelley, Menhinick, and Lloyd Jones. Mr. Hagon, of Cardiff, gave an address on the National Insurance Bill and the new regulations as to the sale of mineral acids and ammonia.

**Wrexham Chemists' Association.**—It is expected that a meeting will be held at Chester early in January to discuss the National Insurance Act. The meeting will include, in addition to Wrexham chemists, representatives from Chester, Llandudno, Rhyl, Colwyn Bay, etc. The Association have unanimously decided to recommend, in the event of an invitation from the Parliamentary Committee, the name of Mr. J. B. Francis (Hon. Secretary) as one of the three Welsh representatives on the Permanent Insurance Committee.

**Wolverhampton Chemists' Association.**—A meeting was held on Wednesday, December 13, Mr. Dunne in the chair. Messrs. Forster, Hunt, Coleman, Marlow, Stanway, Phillips, Warner, C. Warner, Cullwick, Fellows, and Gibson were also present. Mr. Marlow read a paper entitled *The Case for the Pharmacist*. He emphasised the need for co-operation, giving various examples from limited companies, showing how they benefit and the advantages they gain by being able to supply the same preparation at any of their shops. Mr. Marlow then gave particulars of Ucal. A discussion followed, and Mr. Marlow was thanked. The annual whist-drive was arranged for January 25, and the annual meeting for February 21.

**Manchester Pharmaceutical Association.**—Mr. J. C. Kidd (Vice-President) took the chair at an apprentices' and assistants' meeting, held in the General Lecture Theatre of the Medical School of the University on the evening of December 13, when a lecture on "Food and its Digestion in the Body" was delivered by Mr. B. G. Hough, F.C.S. The attendance numbered about forty. The lecture was instructive and suggestive, especially as it dealt with matters which young pharmacists, as a rule, have little encouragement to study, and less help in learning. Mr. Hough illustrated his remarks with experiments on the digestion of starches, proteids, and fats with materials supplied by Messrs. Benger & Co., Ltd. He was cordially thanked, on the motion of the Chairman, seconded by Mr. Kirkby.

**Glasgow and West of Scotland Chemists' Association.**—At the meeting held at the Regent Tea-rooms on Thursday evening, December 14, Mr. T. Guthrie (Vice-President) in the chair, Mr. James Crombie, Ph.C., gave some "Notes on the New Edition of the Codex, with special reference to those Formulæ included in the Glasgow Pharmaceutical Formulary." At the outset Mr. Crombie expressed his appreciation of the work as a whole, and commended many of the new features. He then commented upon or criticised items in the book. Messrs. J. P. Gilmour, A. McKellar, Mackay, and others joined in the discussion. Twelve new members were nominated, making over 100 new members this session. Members were reminded of the whist-drive and social evening to be held in the Regent Tea-rooms on January 18, 1912.

**Chemists' Assistants' Association.**—At the meeting held at 73 Newman Street, London, W., on December 15, Mr. W. B. M. Faraday read a paper entitled "Two Thousand Years of Chemistry." The President (Mr. F. Taylor) occupied the chair, and those present were Messrs. W. Roberts, F. L. K. Loxley, H. Grange, Dr. Walmsley, W. F. Faraday, A. Haigh, W. R. Warrick, W. P. Styles, P. B. Phillips. A new regulation empowering the Council to elect a limited number of honorary members was passed. Mr. Faraday divided his subject into three periods—contemplation, empiricism, and achievement. The first period began with Aristotle and his theory of four elements, which was not fully discarded until the middle of the seventeenth century. In the second period the growth of chemistry under the alchemists was traced, which persisted until Boyle's investigation of the elements marked the beginning of the last era, when chemistry began to be studied for its own sake. At the conclusion of the paper Mr. Faraday was thanked by the President.

**Association of Women Pharmacists.**—A meeting was held on December 14 at the Passmore Edwards Institute, Tavistock Place, London, W.C. Among those present were Miss Buchanan (President), Miss Bedell, Miss Gilliat, Miss Braithwaite, Miss Cole, Miss Bartlett, Miss Jacobs, Miss Hayward, and Miss Hughes. Miss Buchanan announced the dates of the meetings during next session: February 6, April 2, May 21, June 25. Miss Borrowman, Ph.C., then read a paper on *Hevea Braziliensis: Its Application to Pharmacy*. Miss Borrowman sketched the early history of caoutchouc briefly, passing on to a description of the rubber-bearing trees, entering into more details regarding *Hevea Braziliensis* and the rise of the plantation industry in Ceylon and Malaya. The primitive methods in use for the collection and preparation of caoutchouc by the native collectors of South America were next compared with the more scientific methods in vogue on plantations. Specimens of caoutchouc prepared in the various ways described were exhibited. The treatment of the raw rubber in the manufactory and an account of vulcanisation followed, and the lecture finished with a dissertation on the chemistry of caoutchouc. The lecturer was accorded a vote of thanks at the close.

**North Staffordshire Association.**—A meeting was held at the Roebuck Hotel, Stoke, on December 14, the President (Mr. T. C. Cornwell) in the chair. Others present included Messrs. T. Bentley (Hon. Secretary), J. Blades, E. M. Mellor, J. Tirrell, E. Corner, E. Griffiths, J. H. Waldron, A. W. Tirrell, and Weston Poole. It was decided to hold afternoon meetings in future. A resolution of sympathy was passed with Mr. W. H. Kemp, the Hon.



Treasurer, in his illness. *Scientific Salesmanship* was the title of a paper given by Mr. E. Corner, who urged that the pharmacist's scientific training is the only special advantage he has over other tradesmen, and that he apply science to his business. In America courses of instruction in salesmanship are common, but in England a man is left to pick up his knowledge haphazard. It would be better, he said, to spend a few pounds in learning something about salesmanship and advertising than for a man to lose or waste hundreds when in business for lack of this knowledge. Some people, he added, think they have reached the height of salesmanship when they sell things cheaply; others when they sell things for more than they are worth. The only sound basis of business is to sell an article which will satisfy the customer by its quality and the seller by the profit attached to it, and scientific salesmanship helps to do this. The question of pharmacists' representation on the local Health Committees to be established under the *National Insurance Act* was discussed, and the Hon. Secretary was instructed to write to the Pharmaceutical Society asking for advice as to the best means to adopt to secure such representation. The Llandudno and Colwyn Bay Pharmacists' Association wrote suggesting a joint meeting of a number of Associations to fix the scale of charges for insurance dispensing. The Hon. Secretary was instructed to reply that the Association would be happy to consider the matter later. It was decided to hold the annual dinner on January 18.

**Chemists' Assistants' Association.**—The following is the programme for the half-session from January to May 1912:

- January 4. Social evening.
- January 11. Paper, "Alpine Telephotography," by Dr. Chas. Atkin Swan.
- January 18. Social evening.
- January 25. Paper, "Rubber," by Miss A. Borrowman.
- February 1. Smoking-concert.
- February 8. Paper, "Enzymes," by Mr. A. R. Smith, M.Sc., F.I.C.
- February 15. Cinderella dance, Holborn Restaurant.
- February 22. Paper by Mr. F. W. Crossley-Holland, F.C.S.
- February 29. Paper, "Chemical Rarities and Curiosities," by Mr. H. B. Everson.
- March 7. Social evening.
- March 14. Paper, "The Physiology of a Meal," by Mr. R. H. Brittain.
- March 21. Annual dinner, Holborn Restaurant.
- March 28. Paper, "Pill-excipients," by Mr. P. B. Phillips.
- April 4. Social evening.
- April 11. Visit to University College Hospital.
- April 18. Paper, "Current Pharmaceutical Questions," by Mr. W. G. Uglov Woolcock.
- May 9. Annual general meeting.

### Social Gatherings.

**Nottingham Pharmaceutical Association.**—A social meeting was held at the Victoria Station Hotel on December 13. Among others present were Messrs. F. Ross Sergeant (Vice-President), A. Middleton, H. Middleton, W. Gill, C. F. Carr, C. E. Reynolds, H. A. Dickinson, T. J. Williamson, and T. Freeman. Sundry topics came under discussion, especially the Shops Bill. Mr. Harold Middleton manipulated a pathophone during the evening.

**For a Good Cause.**—The staff of Parke's Drug-stores, Ltd., Harmond Street, London, N.W., gave a Bohemian concert in aid of the building fund of the North-West London Hospital at St. John's Hall, Holloway Road, on December 14. There was a crowded audience and a good programme. Specially worth mentioning are the following items: Miss H. Meddings, "Come Sing to Me"; Mr. Stanley Norton, conjuring; Mr. Louis Field, violin solos; Miss B. Sims, recitation; Messrs. Carter and Semper, mandoline duet and banjo trio with Mr. Hunter.

**The Members** of the Wellcome Club and Institute at Dartford demonstrated last week that there is a mysterious connection between pharmacy and the footlights, though it is only in that phonetic speech beloved by Josh Billings that they both begin with an "F." Their medium was that charming little play of humorous intrigue, "Are You a Mason?" which was very successfully staged and admirably interpreted by the members of the Wellcome Club Operatic and Dramatic Society. Two performances were given in the gymnasium of the Institute, and the audiences were both large and enthusiastic. All the characters were well sustained, and the Wellcome Orchestra, under the leadership of Dr. H. A. D. Jowett, discoursed sweet music in the intervals of the play.

**Glasgow Chemist's Jubilee.**—In recognition of his jubilee, Mr. Robert McAdam, managing director of the Glasgow Apothecaries' Co., Ltd., Glasgow, was presented

by the employés of the company with a silver tea-and-coffee service at a staff dinner held in the Douglas Hotel, Bath Street, on December 15. Mr. John Walker presided, and among a large party of ladies and gentlemen present were Messrs. D. S. Robertson, A. Laing, Paterson, Gibson (Manchester), Macfarlane (Forfar), Smith, Eunson, Harkness, McTurk, and Carmichael. Mr. Walker read many letters from friends in all parts of the country who joined with the "Hall" staff in their congratulations to Mr. McAdam. Among other messages were several from Mr. McAdam's co-directors, who, it was stated, intend presenting him with a piece of plate. In the course of an eloquent tribute to the worth, character, and business ability of their guest, Mr. Walker mentioned the important dates of Mr. McAdam's career with the company. The presentation was made by Mr. Campbell, the oldest employé. Mr. McAdam, in acknowledging the gift, recalled some of the changes that had taken place in the "Hall" and in the Glasgow drug-trade during the past fifty years. Of his thirty-one fellow-employés then only seven survive. In 1863, when he became town traveller, he was only out five days of the week, and his calls numbered—Monday, twenty-two; Tuesday, fourteen; Wednesday, thirteen; Thursday, eleven; and Friday, twenty, a great difference from nowadays with the large number of drug-shops in Glasgow. Songs and recitations followed the presentation; then the company adjourned to the ball-room, where dancing was kept up for several hours and a most pleasant evening spent.

**Sheffield Dinner.**—The annual dinner of the Sheffield Pharmaceutical and Chemical Society was held at the Grand Hotel on December 14 with Mr. G. T. W. Newsholme (the President) in the chair. Among the sixty guests present were Mr. E. T. Neathercoat, Mr. Alan Francis (London), Dr. Scurfield (City Medical Officer of Health), Dr. Brander, Mr. W. Parkin (President of the Sheffield Microscopical Society), Mr. J. Evans, F.I.C., F.C.S. (York City Analyst), Professor Patten, M.A., M.D., D.Sc. (University), Mr. J. F. Eardley, F.C.S., Mr. J. B. Pater, Mr. W. Plant (Doncaster), Mr. A. E. Booker, Drs. Broadley, C. C. Mays, Duguid, and Skinner, Councillor Lambert, Mr. Geo. Owen (Treasurer), and Mr. H. Antcliffe (Secretary). The loyal toasts honoured, Dr. Brander proposed "The Pharmaceutical Society of Great Britain," and Mr. E. T. Neathercoat, responding, said he regarded the Society's activities in the matter of the National Insurance Bill as one of the best species of organisation work that the Society had attempted. For the first time in the history of pharmacy a great Government measure definitely recognised the professional status of the pharmacist. The Bill reserved to qualified and registered men the right of dispensing the medicines required. This was what the Pharmaceutical Society had striven for ever since its incorporation in 1843. It represents a tremendous advance in pharmaceutical development and progress. Chemists have not got all they asked for, but they have got out of the Bill far more than at one time it appeared likely they would ever get. The suggestion that the Pharmaceutical Society could have obtained better terms for pharmacists out of the Bill than they have obtained is altogether unwarrantable and cannot be substantiated in the facts of the case. What they have secured has only been by the tremendous energy and resourcefulness of Mr. Glyn-Jones, the Parliamentary Secretary of the Pharmaceutical Society, backed up by the full force of the Pharmaceutical Society's organisation. Mr. Neathercoat then referred to the final stages of the Bill, and reminded his hearers that the battle-ground is now shifted to the local Associations throughout the country. In every county and in every county borough an Insurance Committee is going to be formed, and these committees will have the regulation and arrangement of the pharmaceutical service under the Act. Pharmacists must exert all their influence in their own districts to obtain the full benefit from the amendments which had been obtained at so great a cost of time and trouble. Mr. Alan Francis proposed "The Sheffield Pharmaceutical and Chemical Society," and Mr. Newsholme, in reply, said that he had been connected with the Sheffield Society for thirty-four years, which should show his deep interest in pharmacy and pharmaceutical politics. He spoke of the new scheme of organisation, and paid a special tribute to the work done by Mr. Antcliffe, the Association's Secretary. Dr. Scurfield responded to the toast of "The Medical Profession," proposed by Mr. J. F. Eardley; and other toasts were "Kindred Societies," proposed by Mr. J. Evans, Mr. W. Parkin responding; and "The Guests," proposed by Mr. J. B. Pater, Professor Patten replying; and the toast of "The Secretary" was drunk with musical honours.

**Newcastle-on-Tyne Dines.**—The fifteenth annual dinner of the Newcastle-on-Tyne Pharmacists' Association was held at the Grand Hotel on Wednesday, December 13. The President (Mr. Geo. Weddell) occupied the chair, and was supported by Sir Ed. Evans (President of the British



ceutical Conference), the Sheriff (Councillor C. T. Stableforth), Mr. W. Nimmo and Mr. A. H. M. Purse (President and Secretary of the Sunderland Pharmacists' Association), Dr. T. Allison, Dr. Slade, Messrs. G. Foggan, T. M. Clague, W. Kerse, W. Buckley, F. Gilderdale, W. Pescod, E. Dean, J. Dakers, R. McClumpha, T. H. Flemming, W. R. Gray, and R. U. Low; Messrs. R. H. Bell, C. Hodgson, and Harrison, of Sunderland; Messrs. T. Simpson, J. F. Simpson, E. Watson, F. E. Schofield, J. H. Forster, J. Crake, C. E. Layne, J. Park, and Hummel (Evans Sons Lescher & Webb), J. Heselton (Richardson & Co.), A. Turnbull (B. W. & Co.), Sampson (Wright, Layman & Umney), Dr. A. Livingston, Dr. R. Simpson, Dr. W. Nevin, R. Hepworth, G. Cormack, Nelson, J. Shaw, and C. Ismay. About fifty-five sat down to dinner. The toasts were "The Lord Mayor and Corporation of Newcastle-on-Tyne," proposed by Mr. W. Buckley, and responded to by the Sheriff. Sir Edward Evans proposed the toast of "Pharmacists and Pharmacy," and said that although in order to be a chemist and druggist a man has to pass the ordeal of examinations—and rightly so in the interests of the public—still the members of their profession have not received the recognition and protection on the part of the State which they deserve. Recently they have been going through an anxious time in regard to the Insurance Bill, and he had taken some part in trying to bring about, with the aid of others, the recognition of what he maintained are the rights of those engaged in pharmacy. "I do not think we have obtained all we deserve," he added, "but we have received something, and I believe that, after all, this Bill will not be so disastrous to the interests of pharmacists as perhaps at first sight it appeared." If there is any trade badly paid, considering the education that is required of its members and the risks connected with it, it is the trade of pharmacists. It seems to be the fate of the pharmacist, he added, that being partly professional and partly a trader, he never obtains recompense for the efforts he put forth. Mr. T. M. Clague, who replied, referred to the dispensing of medicines by doctors, and declared that that should be done by those best qualified to do it. "This question can be solved," he added, "but solved only by pharmacists themselves, and if they have common sense and put forth reasonable demands they will solve it." Other toasts were "The Medical Profession," proposed by Mr. F. Schofield, and responded to by Dr. T. M. Allison and Dr. Slade; "The Visitors," by Mr. F. Gilderdale, to which Sir Edward Evans and Mr. A. H. M. Purse replied; and "The Association," by Mr. W. Nimmo, responded to by Mr. G. Foggan and Mr. W. Kerse. Songs were given during the evening by Messrs. Hodge, Fielden, and Colston, Mr. Chas. Hobkirk accompanying on the piano.

**Stockport Pharmacists' Association.**—The annual dinner was held on December 14 at the White Lion Hotel. The President (Mr. F. H. Bowden) was in the chair. There were over sixty present, among them being the Mayor of Stockport (Alderman Briggs), the Medical Officer of Health (Dr. H. E. Corbin), Dr. H. G. Smeeth (Chairman of the Health Committee), Messrs. E. White, J. C. Arnfield, and R. T. Forbes (Vice-Presidents of the Association), Messrs. W. P. Orrell, J. Nicholson, F. O. Arnfield, T. Woodruff, W. Woodruff, H. Arnfield, A. D. Watson, S. V. Kay, and A. E. Mills (Hon. Secretary). After the loyal toasts, Mr. R. T. Forbes submitted "The Pharmaceutical Society," and said there would probably be two opinions upon the National Insurance Bill. He hoped that pressure would be brought to bear upon the Insurance Commissioners to see that pharmacists are adequately represented on the Advisory Committees. Mr. Forbes also spoke of the indebtedness of chemists to Mr. Glyn-Jones. Mr. Edmund White, in responding, devoted the greater part of his speech to the National Insurance Bill, which, he said, would become law, and it behoved them to face the situation. The direct representation of chemists in the House of Commons had been of the greatest benefit. Mr. Glyn-Jones had been able to safeguard the interests of pharmacists. The Chancellor of the Exchequer had laid it down that doctors should prescribe and pharmacists dispense. He (Mr. White) hoped that doctors and pharmacists would work together, and he

believed that if the Act is carried in its entirety that medical men will have so much strictly medical work to do that they will be glad to give up the greater part of dispensing. Mr. T. O. Arnfield proposed "The Visitors,"



MR. WHITE REPLIES FOR THE SOCIETY.

and the Mayor and Dr. Smeeth responded. Mr. F. D. Crossley gave the toast of "The Association," and Mr. A. E. Mills (Hon. Secretary) responded. During the evening a musical and miscellaneous entertainment was given, the contributors being Mr. J. H. Franklin, Mr. G. Victor Wright, Mr. Granville Shaw, Mr. W. Mercer Gray, Mr. Malcolm Smith, Mr. J. H. Turner, and Mr. J. E. Meal.

## COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Thursday, December 28.

**Royal Institution of Great Britain,** Albemarle Street, Piccadilly, London, W., at 3 P.M. First lecture of Christmas course on "The Childhood of Animals," by Dr. P. Chalmers Mitchell.

**WESTERN PHARMACISTS' ASSOCIATION.**—The annual Cinderella dance will be held at the Restaurant Frascati, Oxford Street, London, W., on January 10. Tickets are obtainable from the Secretaries, Mr. A. Latreille, 48 Baker Street, W., and Mr. R. E. Lownsbrough, 35 Clifton Road, Maida Vale, W.

**PETERBOROUGH ASSOCIATION OF PHARMACISTS.**—The annual dinner will take place at the Grand Hotel on February 1, at 5 P.M. The President of the Pharmaceutical Society (Mr. C. B. Allen) will be present. Tickets (5s. each) from Mr. H. E. Noble, Hon. Secretary, Long Causeway.

**THE CHEMISTS' BALL.**—The Hon. Secretary (Mr. Alan Francis, 22 to 30 Graham Street, City Road, London, N.) has the tickets ready for the Chemists' Ball, to be held on January 17, and he will be pleased to forward any tickets that may be required on receipt of a remittance of 12s. 6d. for a lady's ticket and 17s. 6d. for a gentleman's.

## GAZETTE.

### Partnerships Dissolved.

**KIDDER, J. W., PLUMB, F., and GIBSON, J. A. P.,** St. James's Street, Nottingham, wholesale druggists and drysalers, under the style of B. North & Co.; so far as concerns J. A. P. Gibson.

**POTTER, H., and ROACHE, W. H.,** Bath Street, Ilkeston, Derby, surgeons, under the style of Potter & Roache.

**SCHRAMM, K. R., and PLAPPERT, C. F. (or PHILLIMORE),** Albany Street, London, surgical-instrument manufacturers, under the style of K. R. Schramm & Co.

### The Bankruptcy Acts, 1883 and 1890.

RECEIVING ORDERS.

**MAYHEW, CHRISTOPHER JOHN,** Victoria Road North, Southsea, medical practitioner.

**YEOMANS, T. H.,** Peartree Street, Goswell Road, London, proprietary-food manufacturer.



## BIRTH.

SMITH.—At 6 Tewkesbury Drive, Prestwich, Manchester, on December 17, the wife of Cecil Smith (Yardley & Co., Ltd.), of a son.

## DEATHS.

BAXTER.—At Ballymoney, co. Antrim, Mary Baxter, sister of Sir William Baxter, Ph.C., and of Mr. John Baxter, chemist and druggist, Ballymoney. Miss Baxter superintended for some years the household arrangements at her brothers' business premises at Coleraine. The funeral took place on December 15.

BRINDLE.—At 5 Montpelier Terrace, Edinburgh, on December 16, Joanne Dickson, wife of Mr. Edward Brindle, chemist and druggist.

BROCK.—On December 18, suddenly from heart failure, Mr. Oswald Brock, The Gables, Winnington, Cheshire, head of the purchase department of Messrs. Brunner, Mond & Co., Ltd., aged forty-five.

DOHME.—At Baltimore, Maryland, U.S.A., on December 7, Mr. Charles E. Dohme, of Sharp & Dohme, manufacturing chemists, Baltimore, aged sixty-eight. Mr. Dohme had been ailing for several years. He was born in Germany, and when eight years old was taken by his parents along with the rest of the family to Baltimore. His elder brother Louis and he were apprenticed to Mr. A. P. Sharp, a druggist, of Baltimore, with whom Louis ultimately, after graduation as a pharmacist, became a partner. Charles Dohme, after his own graduation, got experience elsewhere, but returning to Baltimore, he also was admitted a partner of Sharp & Dohme in 1866, taking charge



MR. C. E. DOHME.

of the manufacturing department of the business, which then began to develop on broader lines and became one of the biggest concerns in the United States. Mr. C. E. Dohme took great interest in pharmacy, and was a past President of the American Pharmaceutical Association, and served that national body in other capacities. He is survived by Mrs. Dohme, three daughters and one son, Dr. A. H. L. Dohme, vice-president of the Sharp & Dohme Co.

EVANS.—At 2 Newsham Drive, Liverpool, on December 18, Mr. William Evans, chemist and druggist, aged sixty-seven. Mr. Evans was born at Bodedeyrn, Anglesey, and educated at Holyhead and Dublin. He was apprenticed to a Holyhead chemist. He started business at Great Homer Street, Liverpool, in 1863, subsequently moving to Robson Street. Mr. Evans took an active part in politics and philanthropy both before and after his retirement from business, and was appointed a magistrate in 1908. He had been in failing health for some time, and for the last week had been obliged to remain in bed. Death was due to heart-failure.

HANDLEY.—At Forest Road, Loughborough, on December 14, Mr. Thomas Handley, chemist and druggist, aged sixty-nine. Mr. Handley was apprenticed with the late Mr. Large, chemist, Beastmarket Hill, Nottingham. After being an assistant at Cheltenham for several years, he purchased in 1869 the business of Mr. Thos. Adams, in Market Place, Loughborough, which he carried on successfully until his retirement in 1903. Mr. Handley was a member of the old Loughborough Local Board, and was

elected an Alderman on the town's incorporation in 1888, leaving the Aldermanic Bench in 1892. He also served on the Board of Guardians and the Local Burial Board, and was until his death a member of the Free Library Committee. Although a staunch Churchman, Mr. Handley was an advanced Liberal, and favoured Disestablishment and Land Nationalisation. He was a great walker, and could speak authoritatively regarding Charnwood Forest. Mr. Handley's wife predeceased him, dying in 1879. He is survived by two sons and two daughters, the elder son being Dr. W. Sampson Handley, a Hunterian Professor of Surgery and Pathology in the Royal College of Surgeons of England. The funeral took place at Loughborough cemetery on December 16, when many of the town's leading inhabitants attended.

MELLING.—At "Lindley," Starling Road, Radcliffe, on December 18, Kathean, daughter of Mr. J. D. Melling, chemist, aged two years.

MORGAN.—At Dolgelley, North Wales, on December 15, Mr. Henry Morgan, chemist and druggist, aged sixty-five. Mr. Morgan, who passed the Modified examination in 1869, carried on business at 36 Tavistock Place, London, W.C., until he retired about four years ago owing to failing health. Mr. Morgan was a native of Dolgelley and a personal friend of Mr. Lloyd George, being a deacon of the Welsh Baptist Church in Castle Street, of which the Chancellor of the Exchequer is a member. He had held the secretaryship of that church for twenty-five years.

MUIR.—At Brooklyn, New York, on November 24, Dr. William Muir, aged sixty-one. Born in Glasgow, the late Dr. Muir went to the United States with his parents when ten years old, settling in Brooklyn. He was apprenticed to Dr. J. D. Farwell, and in 1871 graduated from the New York College of Pharmacy. Subsequently he engaged in business on his own account at Brooklyn, his pharmacy becoming one of the landmarks of Broadway and Gates Avenue. In 1901 he retired from business to devote himself to the interests of pharmaceutical education, with which he had been prominently identified during his career. On the occasion of his visit to London in 1906 we had a pleasant chat with Dr. Muir on pharmaceutical matters in the United States, and we were enabled to give at first hand an account of the regulations in force in regard to the practice of pharmacy on the other side. At that time we said that "he had been so closely identified with the Brooklyn College of Pharmacy, of which he is a Ph.D., that it might be called Muir's College, and he is a member of the State Board of Pharmacy . . . which places pharmacy in New York State on a footing with other professional pursuits." Dr. Muir had held many pharmaceutical offices, including Chairman of the Board of Trustees of the Brooklyn College. The appreciation of his fellow-pharmacists for his work was shown in many ways, one of them being a beautiful gold badge presented to him by the King's County Pharmaceutical Society. For many years he was a member of the State Board of Pharmacy, serving as its President.



DR. W. MUIR.

MURRAY.—At Stonehaven, on December 16, Mr. George Robert Milne Murray, F.R.S. Mr. Murray was appointed Keeper of Botany, British Museum, in 1895, and resigned in 1905 owing to loss of health. His special forte was marine botany.

RICHARDSON.—At Melville Street, Bolton, on December 10, Mr. Solomon Richardson, chemist and druggist, aged seventy-two. Mr. Richardson was formerly in business in Burn Street and at 317 Bury New Road, Bolton, but he retired four years ago owing to failing eyesight.



MUTER.—At Worthing, on December 19, Dr. John Muter, F.R.S.E., aged seventy. The cause of death was diabetes

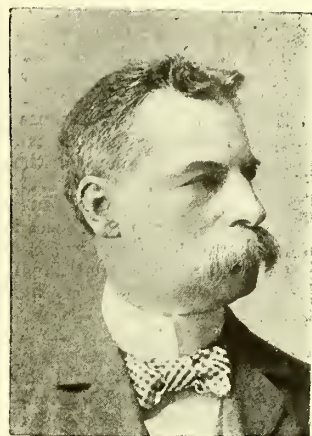


DR. JOHN MUTER.

and mortification of the bowel. Dr. Muter was born in Glasgow on February 27, 1841. He was the son of Dr. J. D. Muter, who was Professor of Materia Medica in the Portland Street Medical School. On his mother's side, we believe, he was related to the founder of the Glasgow Apothecaries' Company. After the usual school course, he studied for several years at the Glasgow University, and subsequently attended the medical curriculum at the Andersonian University, studying chemistry and anatomy under Professors Penny and Buchanan. Having taken several prizes and certificates in the chemistry class, Dr. Penny appointed him as his assistant, the duties of which post he fulfilled until a serious illness compelled him to desist from all work. On his partial recovery, Mr. Muter commenced to travel through France, Germany, and Austria, and at Rostock took the degree of Ph.D. Owing to commercial reverses, Dr. Muter took to lecturing, for which he was well fitted. Later, he married and settled down as assistant to Dr. Hassall, managing that well-known chemist's laboratory. Later on, he established his own laboratory, and then, seeing the possibilities of the Pharmacy Act, he began to "prepare for examination." From a small beginning the scheme flourished, and in 1872 the South London School of Pharmacy (the first private school) was established; in 1873 a new school was built. The success which attended Muter students in getting through the examination after ten weeks' training led to an overhauling of the pre-1868 regulations. Dr. Muter's capacity as a teacher is unquestioned; indeed his career as a teacher must stand in pharmaceutical history as a landmark. He was the first to tackle the problem created by the Pharmacy Act, 1868—the necessity for qualification. He adapted his methods to the Minor examination as it was conducted then—an inadequate, catchy kind of thing which it was easy to "cram" for, when one knew it. He did this, in the first instance, partly in order to get the examination made more thorough. When this was done he changed his methods, and many in pharmacy look back with gratitude to his thorough tuition. Dr. Muter was in favour of a compulsory curriculum, but considered the state of the drug-trade of modern times not worth the trouble and expense. Like the school Dr. Muter's analytical practice saw both dark and rosy days. At one time he was public analyst for Bermondsey, Lambeth, Newington, Rotherhithe, Southwark, and Wandsworth. He retained the Lambeth and Wandsworth posts until his death, at which time he was also analyst to the Metropolitan Asylums Board and the Parts of Lindsey, Lincolnshire. His private practice was extensive. In the days of dear quinine Dr. Muter sometimes had thirty samples of cinchona bark in process of analysis at one time at a fee of several guineas each. Dr. Muter was formerly a prolific writer, several books and many scientific papers proceeding from his pen. One of his books, "Muter's Analytical Chemistry," is still a standard work. He was editor of "The Analyst" for some time, and was a past President of the Society of Public Analysts. Dr. Muter became a Fellow of the Chemical Society in 1870. He was an original member of the Society of Chemical Industry, and was elected a Fellow of the Institute of Chemistry in 1880. He acted as a censor for the Institute from 1896 to 1898. At his home, The Chatelet, Horley, Surrey, he indulged in his hobbies—house-building, gardening, and, latterly, motoring—of which he was particularly fond. Of late years his health had prevented him from attending scientific meetings. Dr. Muter is survived by one son and two daughters. The former, Mr. A. H. M. Muter, F.I.C., is public analyst for Tunbridge Wells, and has been deputy-analyst for Lambeth and the Metropolitan Asylums Board for some

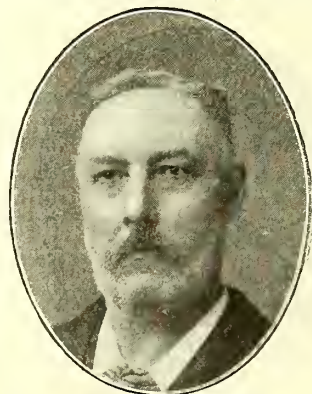
time past. The funeral takes place at Horley on December 23, the train leaving London Bridge at 1.20 P.M.

PAYNE.—At Belgravia House, Belfast, on December 19, Mr. John Chilcott Charles Payne, J.P., Ph.C., aged sixty-eight. Mr. Payne was born at Wellington, Somerset, in 1843, and was educated at Weston-super-Mare and the Independent College, Taunton. He served a four years' apprenticeship with Mr. T. H. Hooks, Sherborne, Dorset, and afterwards was an assistant at Southport and Surbiton Hill. He went to Ireland in 1867 as manager to Messrs. Wheeler & Whitaker, Belfast Apothecaries' Hall. When the Irish Pharmacy Act passed, he presented himself for examination, passed it, and was the first examined pharmaceutical chemist to be elected to the Council of the Pharmaceutical Society of Ireland. He resigned in 1888 after twelve years in office. Meanwhile Mr. Payne had opened business on his own account at the Medical Hall, Oxford Buildings, Shaftesbury Square, Belfast. He also conducted a branch business for a time at Holywood. Six years ago he transferred his pharmacy from Oxford Buildings to Albion Place, and in 1910 retired owing to health considerations. When the British Pharmaceutical Conference met in Belfast in 1898, Mr. Payne was chairman of the local committee, and was in the same year elected President, in the following year presiding over the Conference held at Plymouth. He was a member of the Ulster Drug Trade Association, and was greatly interested in philanthropic work—notably the National Society for the Prevention of Cruelty to Children, Fresh-air Fund, and Maternity Hospital. The funeral took place on December 21 in Milltown Cemetery. Deceased is survived by his wife and daughter.



MR. J. C. C. PAYNE.

PRESTON.—On December 17, at 43 Heathurst Road, Hampstead, London, N.W., Mr. Joseph Classon Preston, pharmaceutical chemist, aged sixty-seven. The late Mr. Preston was the senior partner of the firm of Messrs. Thos. Hodgkinson, Prestons & King, wholesale and export druggists, No. 262 Bishopsgate, E.C. By his death the Metropolitan drug-trade loses one of its oldest and most respected members, he having been identified with the Bishopsgate firm since his youth. He was born at St. John Street, Smithfield Bars, on the premises of his father's firm, then Preston & Sons, wholesale druggists. At that time the firm consisted of Mr. J. T. Preston, Mr. S. W. Preston, and Mr. Alfred Preston, of whom Mr. S. W. Preston (though he left the firm many years ago) is still alive. After completing his education at University College Mr. J. C. Preston passed the Pharmaceutical Preliminary examination and was registered as an apprentice of the Pharmaceutical



MR. J. C. PRESTON.



Society in September 1860, at which date he was an apprentice with Messrs. Preston, his father, Mr. J. T. Preston, being at that time a member of the Society. He entered the School of Pharmacy in the following month and did well at his studies, being awarded at the end of the session the second certificate of honour in chemistry and pharmacy. Meanwhile he had also passed the Minor examination, and we recall a conversation with him when he related how he was one of the competitors for the first Bell scholarships, which were awarded to Tolbert and Tilden on the same day, October 2, 1861, that he received his honours certificate. Mr. Preston was disqualified because he had been apprenticed to a wholesale house. He passed the Major examination on February 15, 1865. After leaving the "Square" Mr. Preston took charge of the laboratory at Smithfield, and part of his duties was to inspect the drugs and attend the auctions at Garraway's Coffee House at Cornhill, together with his uncle, Mr. Alfred Preston. Among his contemporaries at that time were Mr. Barron, of Drew, Barron & Co. Mr. Burbidge, Mr. Herring, Mr. Squire, the Horners, and others. When the Corporation acquired the premises at Smithfield on which to build the Meat Market, the firm removed to Leadenhall Street and subsequently to Bishops-gate. In 1874 the business was amalgamated with that of Thos. Hodgkinson, Luckombe & King, of Snow Hill, the only proprietor of which was Mr. C. T. King, the father of Mr. Herbert E. King. Apart from his business the late Mr. Preston was a keen and enthusiastic Volunteer, like his cousin, Lieut.-Col. Alfred Preston, V.D. He was a member of the London Rifle Brigade for over thirty years and on two occasions won the regimental gold medal for rifle shooting; he also took part in the National competitions when Wimbledon was the centre. He was a member of the Court of Assistants of the Worshipful 'Carpenters' Company, and was one of its past Masters. The Preston family has long been identified with the 'Carpenters' Company, the late Mr. J. T. Preston, the late Mr. Alfred Preston, Mr. S. W. Preston, and Lieut.-Col. A. C. Preston having each filled the office of Master. Mr. Preston was a man of charming personality, who seemed ever to keep his eyes on the bright side of life, and he was particularly fond of the company of the young. His death was due to malignant disease of the stomach, which surgical power was unable to cope with. He leaves a widow, one son (Mr. Herbert Classon Preston, who is connected with the firm), and a married daughter, Mrs. Punnett, whose husband is a partner in Messrs. S. Figgis & Co. Before the funeral on Wednesday a service was held at the Unitarian Chapel, Rosslyn Hill, Hampstead.

STANNARD. At York House, Hurlingham, S.W., on December 13, Mrs. Arthur Stannard ("John Strange

Winter"), aged fifty-five. Mrs. Stannard was one of those rare women who made for herself a reputation in two distinct spheres of activity. As a novelist her pen-name, "John Strange Winter," became widely known in the 'seventies as the author of "Bootle's Baby," which was followed by other tales to the number of over 100, many of them, like that work, dealing with military life. She was a leader among women writers and journalists,

and took an active part in their organisations until she was laid aside through serious illness about a dozen years ago. It was during a prolonged period of convalescence that she began her studies of the skin and hair, the illness having thinned the fine hair that was natural to her.

She experimented with various preparations made by herself until she got one that did just what she wanted, and the results were so obvious to her friends that they began to beg of her for some. She willingly gave until some kind friend suggested that she should not give away the preparations, but charge a fair price for them. This was the beginning of a business which grew quietly and steadily, extending in kind and variety of preparations until it was formed into a limited company, John Strange Winter, Ltd., a subsidiary company dealing with the Australian connection, Mr. Stannard taking an active part in the management; in fact, relieving his wife of all commercial details. Mrs. Stannard became a remarkably skilful compounder and delighted in the experimental work involved by her preparations; indeed, she found the work conducive to her recovery from the illness referred to. She was wont to relieve the tedium of her enforced siestas with "Pharmaceutical Formulas," and she was a diligent student of the literature of the skin and hair. Mrs. Stannard met with a lift-accident about five months ago, and the injury sustained was followed by complications which were the cause of her death.

## POISONING FATALITIES.

EIGHT cases of poisoning which terminated fatally have been reported since our last issue.

*Arsenic.*—At Liverpool, John Edward Bradley (41), gardener, committed suicide by taking a quantity of weed-killer containing arsenic. At the inquest the Coroner (Mr. S. Brighouse) said one often thought the law was an ass. These weed-killers, containing large amounts of arsenic, could be bought anywhere. If a chemist was asked for a small quantity of arsenic, the purchaser had to answer a number of questions, sign a book, and goodness knew what, but if he wanted weed-killer, he could get a quart, enough to kill half of Huyton, and never be asked a question.—At the inquest on Eliza Mary Barrow (49), of Tollington Park, London, N., Dr. W. H. Wilcox deposed that the exhumed body would contain more than two grains of arsenic. The jury found "deceased died on September 14, 1911, from arsenical poisoning, feloniously administered, but sufficient evidence is not before us to enable us to decide by whom it was administered." Fredk. Henry Seddon, district insurance superintendent, was remanded at North London Police Court on December 19 on a charge of murdering Miss Barrow (*C. & D.*, December 9, index folio 836).

*Carbolic-acid* poisoning caused the death of Annie Corps (19), servant, Surbiton, in Kingston Workhouse, and of John Hansen (35), at South Shields.

*Potassium Cyanide.*—At Stone, Florence Elizabeth Crisp (38) killed herself with this poison. At the inquest Mr. F. Jacks, chemist and druggist, High Street, Stone, deposed that he supplied deceased with the chemical for photographic purposes. She had signed the Poisons Register.

*Salt of Lemon* caused the accidental death of Albert Cooke (45), Cheltenham, and was used for suicidal purposes by Ellen Parrish (28), laundrymaid, Scarborough.

*Spirit of Salt* was the suicidal agent used by Andrew Stone (32), chauffeur, Christchurch.

## Chemists' Calendars.

PAPIER POUDRÉ, LTD., 23 Somerset Street, London, W., send out a dainty wall calendar, with daily calendar, each day on a separate sheet. The background of the calendar is embellished with irises, and in the centre of the top portion is the figure of a belle with powdered hair and patch.

HART'S ALMANACK FOR 1912 is published by Messrs. Hart & Co., 7 Sadler Gate, Derby, and is distinguished by its literary contents. Under the title of "A Derbyshire Portfolio," Mr. Horace Weir has collected a large number of notes on bygone events of local interest which even strangers will read with pleasure. The almanack contains blank diary pages and some veterinary notes. This is the thirty-sixth consecutive year it has been issued.

THE ODOUR OF BENZINE is disguised by shaking with a small proportion of oil of birch. Four ounces to a barrelful is the amount to employ.



"JOHN STRANGE WINTER."



## TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., December 21.

**A**LTHOUGH business is now slackening off in view of the holidays and stocktaking operations, there is a steady undercurrent of trading, with a fair number of price-alterations. Among chemicals, the chief alterations include  $\frac{1}{2}d.$  per lb. advance in ammonia carbonate. Soda crystals have been reduced substantially to home buyers for next year. Pyrogallic acid is dearer, and gallic and tannic acids are firm at the advance noted last week. Glycerin has fallen 10*l.* per ton for chemically pure. British and foreign lithium citrate is 3*d.* higher from the lowest point; one of the English makers has again raised his price 1*d.* for carbolic-acid crystals. Morphine is nominally another 3*d.* higher. Pure ethers are 1*d.* dearer for next year and citric acid is cheaper.

In drugs there is practically nothing doing, as is usual at the close of the year. Valerian is easier for shipment, but rather more is asked for gentian. Castor oil is easier, and lemon oil for shipment is also cheaper in several quarters. Menthol is inactive. In miscellaneous articles, turpentine is steady, petroleum dearer, and shellac cheaper at auction. The following table includes the chief alterations of the week:

Higher	Firmer	Easier	Lower
Carbolic acid	Ammon. carb.	Carnauba wax	Glycerin
Cassia oil (c.i.f.)	Gentian (c.i.f.)	Castor oil	Isinglass
Ethers pure	Lime oil	Citric acid	Shellac
(1912)	Petroleum	Lemon oil	(auction)
Lithia carb.	(Amer.)	(c.i.f.)	Soda crystals
Pyrogallic acid		Valerian	(home, 1912)
Wood oil			
(China)			

### Cablegrams.

SMYRNA, December 21:—The opium market is quiet but strong, the range of quotations being from 29*s.* to 35*s.* per lb.

NEW YORK, December 21:—Business is dull. Opium has advanced 25*c.* to \$8.50 per lb. for druggists', and the opium alkaloids have also advanced by 50 cents. per oz. Peppermint oil in tins is steady at \$2.85 per lb. Hydrastis is easy at \$4.75. Buchu leaves are lower at 95*c.* per lb. for round. Tolu balsam is easier at 55*c.* per lb. Cascara sagrada is quiet at 9*c.*

### London Markets.

AMMONIACUM.—Small sales of mostly good clean tears have been made at 70*s.* per cwt.

AMMONIUM CARBONATE.—The makers have issued a circular announcing an advance of  $\frac{1}{4}d.$  per lb. The current quotation is now 3 $\frac{3}{4}d.$  per lb. net and  $\frac{1}{4}d.$  extra for powder. It will be remembered that the discount of 10 per cent. was recently abolished.

ANISE OIL (STAR) remains unaltered at 5*s.* 9*d.* per lb. for Red Ship brand on the spot, and for near at hand 5*s.* 3*d.* c.i.f. has been paid; for shipment within the next two months 5*s.* 4*d.* c.i.f. is quoted from the producing districts.

BROMIDES.—The makers report a fair demand on the basis of 1*s.* 3 $\frac{1}{2}d.$  per lb. net for 1 cwt. lots of potassium bromide.

BUCHU.—The exports from the Union of South Africa during October amounted to 8,385 lb., against 15,214 lb. in October 1910, the values being 968*l.* and 1,563*l.* respectively. For the ten months ending October 1911 the exports were 198,806 lb. valued at 28,171*l.*, against 259,147 lb. valued at 23,316*l.* in 1910, or 60,341 lb. less.

CAMPHOR (CRUDE).—China is unchanged at from 150*s.* to 155*s.* per cwt. spot, and for shipment 145*s.* c.i.f. is quoted.

CARBOLIC ACID.—One of the leading makers has advanced his price to 9 $\frac{1}{2}d.$  per lb. spot for 39° to 40° C. ice crystals (B.P.) in large bulk packing contracts for April-May at slightly less. Crude 60-per-cent. East Coast is quoted 2*s.* 11*d.* to 3*s.* forward delivery, West Coast 2*s.* 11*d.* Cresylic 95-per-cent. 1*s.* 8*d.* to 1*s.* 9*d.* per gal.

CARDAMOMS.—The "Times of Ceylon" (November 23) reports, "In cardamoms very little was offered in the market, and what was handled was wet; prices ranged from Re. 1.40 to Re. 1.50 per lb. There is not much hope of a successful crop in this product this year."

The total exports from Ceylon from January 1 to November 27 have been as follows:

Lb. ...	1908	1909	1910	1911
...	571,623	656,605	563,313	507,174

It will be seen that the decrease as compared with last year is 56,139 lb. Shipments to India have shown a large decline this year, being 86,087 lb. only, as compared with 211,691 lb., or 125,604 lb. less; exports to U.K. were 13,623 lb. more, being 219,386 lb., against 205,763 lb.; Germany received direct 90,871 lb., against 79,287 lb.; and U.S.A., 57,425 lb., against 26,449 lb.

CASSIA OIL.—Prices for shipment from China show an advance of 2*d.* per lb., but the demand both on spot and for arrival continues very quiet; 80 to 85 per cent. c.a. is offered at 4*s.*, 75 to 80 per cent. at 3*s.* 10*d.*, and 70 to 75 per cent. 3*s.* 8*d.*; the c.i.f. prices are respectively 3*s.* 9*d.*, 3*s.* 7*d.*, and 3*s.* 5*d.* per lb.

CASTOR OIL.—Hull make is 10*s.* per ton cheaper at 29*l.* for first pressing in barrels and 28*l.* 5*s.* for January-June delivery, free on wharf London. Finest medicinal quality is 50*s.* per ton more than the above; oil in tins in cases 50*s.* per ton extra. Belgian firsts is 29*l.* for prompt, and 28*l.* for January-June, ex wharf London. In Liverpool 4*d.* per lb. is quoted for good seconds Calcutta and 3 $\frac{1}{2}d.$  for Belgian firsts.

CINCHONA.—The shipments from Java to Europe during the first half of December 1911 amounted to 607,500 Amst. lb., against 344,000 Amst. lb. in 1910.

CINNAMON.—According to Ceylon advices of November 23, very little cinnamon is now offered on the market and dealers are now quoting 65 cents per lb. for usual assortment.

CITRIC ACID is about  $\frac{1}{2}d.$  per lb. cheaper, English offering at from 1*s.* 4 $\frac{3}{4}d.$  to 1*s.* 5*d.* and foreign 1*s.* 4 $\frac{1}{2}d.$  per lb.

CLOVES have been steady, but quiet, the value of fair Zanzibar of new arrival being 5 $\frac{1}{4}d.$  per lb. spot; to arrive, sellers quote October-December and November-January shipment at 4 $\frac{3}{4}d.$  c.i.f., with buyers of January-March at 4 $\frac{7}{8}d.$

COD-LIVER OIL.—As usual at this period of the year there is little movement to report. From Bergen our correspondent reports a single transaction at the equivalent of 103*s.* 6*d.* per barrel c.i.f. terms for prime non-congealing oil.

COPPER SULPHATE is unaltered for prompt delivery, ordinary Liverpool brands offering at 23*l.*, March-April at 23*l.* 10*s.*, and May at 23*l.*

ETHERS.—It has practically been decided that the price of ethers manufactured from pure spirit will be advanced by 1*d.* per lb. in the New Year. The price of spirit, aether. nit. and spirit. ammon. aromat. will be advanced  $\frac{1}{2}d.$  per lb.

FENNEL-SEED.—The *Heighington* has brought 250 bags from Eussorah. The spot price is from 22*s.* 6*d.* to 24*s.* per cwt. according to quality, at which small sales have been made.



**GALLS.**—Business has been done in Japanese at 48s. 6d. c.i.f. for January-February shipment, but 50s. c.i.f. appears to be the lowest now. Blue Persian are worth 53s. spot.

**GAMBOGE.**—Subsequent to the auctions business was done at 11l. 15s. per cwt. for fair blocky Siam pipe.

**GENTIAN.**—For shipment, sellers ask the slight advance of 24s. to 25s. per cwt. c.i.f.; spot can be had at 24s.

**GINGER.**—The sales in Liverpool include 100 tons new crop Sierra Leone at from 29s. to 28s. 6d. per cwt.; no auction in London this week.

**GLYCERIN.**—As will have been noticed from our recent market reports for at least the past four months, the position of the glycerin market has been precarious. This fact we again emphasised in last week's issue (index folio 398), when we said "the possibilities of a decline are becoming more evident as the year closes." The reduction therefore of 10l. per ton in the price of chemically pure which was announced on Monday last by the two Conventions, one embracing British makers and the other Continental makers, occasions no surprise. It has been felt for some months past that the price was unjustifiably high, and even with the reduction it is asserted in well-informed quarters that the price is not yet low enough to permit of confidence in the market. The official quotation in 5-ton lots and upwards for double-distilled s.g. 1.260 in 10-cwt. drums is now 95l. per ton and 99l. for 56-lb. tins in cases. It may be pointed out that the price of *crude* has been reduced by 1l. only to 65l.

**GUM ACACIA.**—The market remains bare of East India gums; very high prices are quoted for Ghatti for shipment, and business is difficult. Sudan sorts remain steady. Senegal is unaltered, the quotation for Bas de Fleuve to arrive being 48s. per cwt. f.o.b. Bordeaux.

**HONEY.**—The arrivals comprise 220 cases Californian, also 152 packages from Jamaica.

**IPECACUANHA.**—As there are no auctions for a month, second-hand sellers ask 9s. 3d. for Matto Grosso and 9s. for Minas, 8s. 10d. having been refused for the latter.

**LEMON OIL.**—The future position of this oil remains as much a puzzle as before, and buyers for forward shipment continue reserved. Some cheaper offers of new crop have been made this week, including a quotation of 4s. 7d. c.i.f. for guaranteed genuine.

A Palermo advice of December 16 states that prices for old oil on spot, and of early parcels of new crop, are approaching the same level, pressing being gradually taken up in most producing districts. For old crop there has been a fair demand at easy prices. Holders can buy new oil at about the same figure as what the old realises, so they have no special inducement to hold old oil. The position as regards new crop—January and onwards—remains obscure. The speculative bullish interests are still at work, and it is very difficult to forecast as to who will obtain the upper hand in the end. For prompt shipment 5s. 3½d., and new crop forward shipment 5s. 1½d., per lb. c.i.f. is quoted.

**LIME-JUICE.**—Supplies of West Indian in the "Lane" are becoming scarcer; for ordinary raw 1s. 3d. per gal. is asked.

**LIME OIL.**—No West Indian distilled appears to be available at the auction price of 1s. 2d. per lb., the lowest being 1s. 4d.

**LITHIUM CARBONATE.**—Prices have improved to the extent of about 3d. per lb., nothing being unobtainable below 2s. 5½d. to 2s. 6d. per lb. net. Prices in America have also advanced by about 5d. per lb., the firmer feeling being immediately reflected here.

**MENTHOL** is quite inactive, the spot price of Kobayashi being 27s. 6d. and Suzuki 26s. No forward sales are reported, importers' price for equal quantities of menthol and oil combined for January to May shipment being 27s. c.i.f.; second-hands offer menthol afloat at 24s. and January to March shipment at 18s. 6d. c.i.f. for Suzuki, business being done in the latter position; also dementholised oil at 6s. 6d. per lb. c.i.f. for March-April shipment. To-day we hear that two cases Suzuki, imported from France, have been sold at 25s. per lb. spot by a cheap seller.

**MILK SUGAR** continues to sell in retail on the spot at 90s. for best powder, but for delivery next year there are still sellers at our previous quotations.

**MORPHINE.**—The British makers' quotation for bulk supplies of hydrochloride powder is now 14s. per oz., and in second-hands 13s. 7½d. to 13s. 9d. is quoted.

**MUSK.**—With very limited stocks, Tonquin pod remains firm at 72s. 6d. per oz. for fine blue skin pile 1, and 55s. to 58s. for old style good quality pile 1. The value of good quality China Cabardine is 25s. per oz., but there is no stock; Russian Cabardine is quoted at 19s.

**OLIBANUM** in retail demand at unchanged rates, with a moderate stock. The restricted business is ascribed to the fact that the consuming countries have bought direct from India.

**OPIMUM.**—There is practically nothing doing this week, few cables having passed, and prices are unchanged, 11½ per cent. offering at 28s. 6d. to 28s. 9d. per lb. c.i.f.; spot Turkey druggists' is worth from 28s. 6d. to 31s., according to test and holder. The Smyrna stock is reported at 700 cases only, of which 300 cases are said to be rejections, unsuitable for export.

A Smyrna correspondent writes on December 8 that large buyers for American account came forward this week, offering 28s. 6d. for 50 to 60 cases old extra Karahissar; some 40 cases changed hands, but on inspection more than half was rejected. If the goods are to be replaced, buyers will have to pay 1s. or 1s. 6d. per lb. more, or else buy new with a lower percentage of morphine at a comparatively lower figure. Our nominal figures to-day are: New and old current mixed material, 25s. to 26s.; new t.q., mixed, 25s. 6d. to 26s. 6d.; new Karahissar, 26s. to 27s. 6d.; old mixed t.q., 26s. to 28s.; old Karahissar, extra selected, 29s. 6d. to 30s.; new and old rich fine elastic Yerli, 30s. to 35s. per lb. The dry weather continues to prevent farmers making pace with their poppy-sowings, and should this continue prices will be further materially enhanced. Since writing the above, buyers bought 40 cases new Karahissar at 27s. 6d. The arrivals in Smyrna amount to 1,001 cases, against 4,117 cases at same date last year.

**ORANGE OIL.**—A Palermo advice of December 16 reports a neglected and quiet market at practically unchanged rates, which for shipment are 7s. 9½d. for *sweet*, and 8s. per lb. c.i.f. for *bitter*.

**ORANGE PEEL.**—Of the new crop Maltese strip, which is now about due, no shipments have been made from the producing country owing to the Turco-Italian war. Consequently spot holders are indifferent sellers, preferring to wait events.

**PEPPER.**—Fair Singapore is quiet at 5½d. per lb. spot, and for arrival the market is dearer, up to 5½d. having been paid for January-March, April-June, and buyers; also Lampong at 5½d. to 5½d. for January-March and April-June. *White* pepper is quoted at 7½d. for fair Singapore on spot, and prices are dearer to arrive, January-March shipment having been sold at 7½d. and February-April at 7½d. c.i.f. and buyers.

**PETROLEUM** is firmer to the extent of ¼d. to ½d. per gal. for American, ordinary refined offering at 5½d. to 6d. and water-white at 6½d. to 7d. Russian is unchanged at 5½d.

**PYROGALLIC ACID.**—In consequence of extreme scarcity of Chinese galls, prices of the Convention makers show an advance of about 5d. to 6d. per lb., the following being the minimum quotations: *Crystals*, in 8 × 14-lb. tins, 4s. 3½d.; 16 × 7-lb. tins, 4s. 4d.; 56 × 1-lb. tins, 4s. 5½d.; 100 × 1-oz. tins, 5s. 11½d.; and 500 × 1-oz. tins, 5s. 10½d. *Resublimed* in cases of 8 × 14-lb. tins, 4s. 8d.; 8 × 7-lb. tins, 4s. 8½d.; 56 × 1-lb. tins, 5s.; 100 × 1-oz. bottles, 5s. 1½d.; and 500 × 1-oz. bottles, 7s. 11½d.; all net cash delivered. *Schering's* price for *resublimed* in 1-oz. bottles on 2,000-oz. contracts is now 8s. 6d. per lb., *crystals* being 6s. 6d.; 1,000-oz. lots on contract are 3d. per lb. extra.

**QUICKSILVER.**—The importers continue to quote 8l. 2s. 6d. per bottle, and in second-hands there is nothing below this figure.

**QUININE.**—At the auction held at Amsterdam on December 15, 1,417½ kilos. (50,000 oz. net) Ed. II. sold at the average price of fl. 10.99½ per kilo., against fl. 11.26½ per kilo. at the previous auction. The next auction will be



held on December 29, when a similar quantity will be offered. The exports of "quinine, quinine salts, and combinations" from Germany during the ten months ending October were:

	1909	1910	1911
Kilos. ...	133,200	154,400	175,000

**RHUEARE.**—The bulk of the stocks consists of flat and round High-dried, there being very little Shensi and Canton. Prices to arrive continue very high, and do not attract buyers for the time being.

**SHELLAC.**—At auction 397 cases offered, and practically all sold without reserve, fine orange being 2s. lower, TN qualities realising steady rates. Fine curly orange, slightly matted to matted, sold at 79s. to 80s.; fine small second orange, 72s.; good bright reddish, 69s. to 70s.; good bright slightly matted, 67s. to 68s.; E. & O. fine slightly matted, 67s. to 68s.; fair strong TN, 64s. to 65s.; ordinary dark red free, 60s.; low Garnet (35 cases) sold at 32s., and 13 cases Button at 83s. for fine pure No. 1 and 74s. for No. 2. Privately fair TN orange is quoted at 62s. to 63s. spot; sellers of December-January shipment quote 62s. 6d., January-March 63s., and A.C. Garnet at 60s. c.i.f. Futures have been dull, the sales including March at 64s. and May at 66s. to 65s. to 66s.

**SODA CRYSTALS.**—The makers have reduced their prices for next year's delivery and for home consumption only, by from about 8s. to 8s. 8d. per ton, the quotation for barrels being 45s. net, and bags at 42s. 6d. net ex works. The export price remains unchanged at 67s. 6d. per ton, less 5 per cent. in 3-cwt. casks f.o.b. Liverpool.

**TAMARINDS.**—There is a scarcity of West Indian, Antigua being worth 14s. and Barbados 17s. per cwt. in bond.

**TARTARIC ACID** is unaltered at 1s. 0½d. for English and 1s. 0½d. for foreign.

**TURPENTINE** steady at 37s. 6d. per cwt. for American, and 37s. 9d. for January-April.

**VALERIAN** is easier at 36s. per cwt. c.i.f. terms.

**WAX (VEGETABLE).**—Carnauba has been in easier tendency; business is reported in waxy grey at up to 155s., but 5s. less would probably buy; chalky grey is offered at 139s. Japan wax is quoted at from 41s. to 42s. on the spot, and for shipment at 40s. 6d. c.i.f.

**WOOD OIL.**—Chinese is higher, 48s. 6d. per cwt. having been paid on the spot, but for January-March shipment 36s. 6d. c.i.f. is quoted.

### Manchester Chemical Market.

December 19.

With the closing weeks of the year business has turned quiet, and inquiry is somewhat restricted. Still, the undercurrent is good, and with the influence of present reasonable prices there should be a large increase in consumption during 1912. Another advance in the raw metal has caused sulphate of copper to again assume a firmer attitude. Current quotations for prompt delivery are from 23½. 5s. to 23½. 10s., delivered Manchester, with about 5s. per ton more for January to April delivery. White powdered arsenic is scarce, and the range is from 11½. to 11½. 5s. per ton, delivered Manchester. Recovered sulphur is rather easier at 4½. 12s. 6d. to 4½. 15s. per ton, on rails, at works. Yellow prussiate of potash is quoted 4½d. per lb. for early delivery. Oxalic acid is firmer at 2½d. Lime salts are the turn dearer; brown is 6½. 12s. 6d., and grey, 10½. 5s. per ton, c.i.f. terms. In coal-tar products there is a stronger feeling to note. Sulphate of ammonia is the turn dearer at 14½. 1s. 3d. to 14½. 2s. 6d. per ton, f.o.r., Manchester.

### American Wintergreen Oil.

Considerable interest has been aroused from Wisconsin (says the "Pharmaceutical Era") as a result of a plan of Professor Edward Kremers, of the College of Pharmacy of the University of Wisconsin, who would have the Indians of Northern Wisconsin run wintergreen distilleries. As a result of the strong demand for wintergreen oil, since the enforcement of the pure-food law, Professor Kremers believes that employment for thousands of Wisconsin Indians, whose chief means of livelihood now is picking cranberries during a few months of the year, could be furnished by establishing wintergreen distilleries to be operated by the redskins. Thousands of acres of cut-over timber-lands in the northern portion of the State are covered by wild wintergreen plants, and the scheme looks feasible to many.



### Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

### Bacteriology for Pharmacists.

**SIR,**—I am afraid Mr. Wilson's reply to Xrayser II. shows him to be a few rungs higher up the ladder than the ordinary workaday chemist. It is a fact admitting of no dispute that ninety-nine times out of one hundred the personal conduct of a drug-business is incompatible with any such line taking time and personal attention. I think the average chemist will agree. Yours truly,

CHP. (12/50.)

### The Duties and Responsibilities of the Pharmacist.

**SIR,**—I quite agree with the remarks of Dr. McWalter in his rather interesting letter to you *re* heroic doses and the attitude of the dispenser to the same. In this connection the aphorism of the late Joseph Ince always appealed to me as a good guide—viz., "the dispenser in such a case should remember that he is a sentient being and not a mere automaton." Anyhow, this guiding principle influences my line of action. Of course, I invariably consult the prescriber if it is at all possible.

Belfast.

SAMUEL HOGG.

**SIR,**—I do not accept Dr. McWalter's definition of a dispenser's responsibilities as "ex cathedra," neither do I admit that my own knowledge of those responsibilities is only hazy, and I maintain with Xrayser II. that the prescription in question is one which a chemist might safely dispense without making a special inquiry from the prescriber as to the correctness of his doses. I give Dr. McWalter credit for sincerity of purpose in his inquiry, but I think it is a red herring drawn across the track. The real issue is a point of medical etiquette—viz., Is a doctor holding an official position justified in altering the prescription of another doctor, also in an official position, without his consent? This point cannot be settled by asking chemists whether they would dispense the prescription; it is purely a medical point, and should be fought out in the columns of the medical Press, or other medical, rather than pharmaceutical, tribunal.

Yours faithfully,

CHEMIST. (13/74.)

### Impure Borax.

**SIR,**—I should like to issue a word of caution with regard to certain qualities of borax at present on the market. We have heard of one sample containing as much as 200 parts of arsenic per million, although it is described as "ordinary double refined borax." In one sense it appears to merit this title, as it contains 99.5 per cent. of real borax. Already, I am told, prosecutions have been started in some of the Midland districts, so it behoves retailers to be on their guard. Needless to say borax containing such a large proportion of arsenic is unfitted for making glycerin and borax, or borax and honey, especially the latter, which is used so frequently for thrush in babies' mouths. Borax containing so much real sodium baborate would be perfectly satisfactory for laundry or washing purposes, and, as I have no doubt it is much cheaper, there is no objection to its being sold for such uses, provided its character is clearly stated on the label every time when sold. A suitable label would be: "Laundry borax. Not to be taken internally." When borax is sold for medicinal use, every care should be taken to supply the B.P. quality, and, of course, that involves questioning the purchaser on every occasion when



the nature or size of the order does not reveal the purpose for which the article is required.

Yours faithfully,

W. JOHNSTON,

Secretary Chemists' Defence Association, Ltd.  
184-185 Temple Chambers, E.C.

#### Soap Litigation.

SIR,—Mr. Justice Joyce was evidently surprised that Lever and others were not able to bring forward "a single purchaser to complain of substitution," but traders who read the *C. & D.* and who know the Co-operative system would have been surprised if any Co-operative member had been brave enough to come forward. Few working-men or their wives would care to risk the adverse opinions of their fellow-members. Look at the trouble there is over "black-legs" and about "peaceful persuasion" at times of strikes. The whole question of co-operative trading is coming closer to chemists to-day than it has ever done before, and that this "persuasion" part of it is not the least ominous is the opinion of

Yours truly,

DAVID MORAY.

#### Ireland and the Fairchild Scholarship.

SIR,—I would like to draw the attention of pharmaceutical chemists in Ulster and Belfast to the fact that the Fairchild Scholarship examination for 1912 is to be held at Belfast. It is proposed to have it so every alternate year, provided a sufficient number of candidates present themselves. This is only as it should be. Will third and fourth year apprentices please drop a postcard to Mr. Holden, 64-65 Holborn Viaduct, E.C., for a copy of the syllabus? Anyone may compete who is the proper age. There is no entrance-fee, the prizes are worth competing for, the examination is a good stepping-stone to the Final, the subjects covering the same ground, only being much more elementary. For a fourth-year apprentice who has made good use of his three previous years the examination is a mere bagatelle. I hope as many from the North will enter as possible, so that Belfast will be the centre for the examination every alternate year in the future.

Yours truly,

Belfast.

SAMUEL HOGG, Ph.C.

#### National Insurance Bill.

SIR,—The philosophical spirit so ably displayed by "Xrayser II." is a pleasant contrast to the pessimist's point of view. It, however, only meets the case for the moment, because the active opposition among a certain section of the medical profession is a danger to be faced and, if possible, checked. This cannot be accomplished by sitting on the wall, the usual attitude so far as the past is concerned, and, unless concerted action is taken at every future opportunity in order to strengthen our position under the Insurance scheme, the puny remnant will become in course of time still smaller and beautifully less. In other words, we must take the "tip" from the Irish Party and accept what we can get simply and solely in the hope and even determination to get a good deal more. It is unseemly that pharmacists should be brought into any sort of conflict with the doctors—they should be, and usually are, our best friends—but we cannot allow the opposition looming under the contracting-out clause to pass without a strong protest, and although the victory so far is morally ours, we desire the substance rather than the shadow, and, I repeat, with that end in view, let us get to work. I am, Sir, faithfully yours,

Penzance.

WALTER H. KEEN.

Mr. James B. Francis, J.P. (Wrexham), writing in regard to the application of the Act to Wales, predicts that Welsh chemists will receive every consideration and fair play from the Welsh Commissioners. He takes an optimistic view of the effects of the statute upon chemists, and, after giving the Pharmaceutical Society credit for their labours during the past months, without which we should as a craft have been entirely swamped or forgotten, Mr. Francis says the separation of dispensing from prescribing has been clearly defined and upheld from the outset, and it is hardly conceivable that the Act can be read in such a way that the Welsh Insurance Commissioners will interpret the exception as the rule, although we have such an unfortunate example in the case of the

poison licences. He proceeds to discuss the four considerations which to chemists are specially interesting: (1) Insurance Commissioners, who have great power within certain limits, and will in a few weeks issue a preliminary report containing draft regulations giving details; (2) the Permanent Standing Committee of the Pharmaceutical Council, composed of men more or less expert, who will study these regulations, and if amendment is necessary no doubt an interview will be arranged with the Commissioners. When this Permanent Standing Committee have agreed to terms, they will be able to send valuable suggestions, and give first-hand information to local Associations, which are Mr. Francis's third consideration. The next few months mean success or ruin to many a chemist in this country. We must have united action and be absolutely loyal to each other and to our local Associations. Writing of his fourth consideration, Insurance Committees, Mr. Francis says:

In North Wales we shall have six Insurance Committees. It is the bounden duty of every chemist at this stage to find out exactly how the Bill is going to affect him personally and the locality in which he lives. The Insurance Bill has had one good effect in this district—it has solidly united us as an Association; we have complete unity in our ranks. One-third of the population will be insured under this Act, which means in the mining and quarry districts of Wales the whole of chemists' customers. Our local Associations must be thoroughly organised, we must become real fighters in order to get our rights from the Insurance Committee. Let us not, in the words of the hymn, cultivate satisfaction with things as they are:

"My willing soul would stay in such a frame as this,

And sit and sing itself away to everlasting bliss."

Let us not dream, but work. I would like to suggest that we divide ourselves somewhat in this fashion:

- |                       |                |
|-----------------------|----------------|
| 1. North Carnarvon.   | 5. Flints.     |
| 2. South Carnarvon.   | 6. Anglesea.   |
| 3. East Denbighshire. | 7. Merioneth.  |
| 4. West Denbighshire. | 8. Montgomery. |

Let the local conditions be first discussed. Then let the report from the Permanent Standing Committee be discussed; next let us have a mass-meeting of pharmacists at some central place, such as Rhyl or Chester. It is for us as Welsh pharmacists to show that we are practical men, that we have power of organisation, and that we are prepared to sink all business jealousies in order to get actual benefits from the Act of Parliament. "Let us all hang together; if not, we shall all hang separately."

Mr. Francis next deals with the individual responsibility of chemists, saying they should address themselves seriously to the question of making full provision to meet the new requirements, and he goes on to remark:

The crux of the whole question is the rate of remuneration, and it is reasonable to expect that Insurance Committees will not propose, or the Commissioners sanction, a scale of payment that is inadequate. It would be suicidal to take the work at a sweating figure, and so render the scheme ineffective in one of its main provisions. The Insurance Committees in North Wales will probably consist of eighty members each. There will be five doctors on each committee, and there will be a three-fifths majority of representatives of the working-classes thereon. We as chemists must have our representatives on these committees, and, further, every chemist ought to be ready to do some buttonholing of members and stating in clear terms our position as registered chemists. Having had ten years' experience on our local Town Council, I know full well what the attitude of Insurance Committees will be: they will not stand upon sentiment; they will study the rates and not the pharmacist. Hence the necessity of work within and without these new committees. This new Act means the spending of half-a-million pounds weekly, and within its scope will be brought the spending power of a multitude of people who to-day are unprovided with doctor or medicine. This increased volume of business should make good the reduced profit on the sales of medical requirements—*e.g.*, linseed-meal, lint, bandages, cod-liver oil, etc.—supplied at insurance prices. One probable effect of the Bill will be that it will provide an opportunity for young qualified men with small capital to start business on their own account, and pharmacies will be opened in districts that to-day are avoided. This may affect the multiple-shops, and deprive them of many a capable and enterprising manager. The old-fashioned high-class chemist should stand to benefit greatly, because the old barrier (the 11<sup>d</sup>. in the 1s. ideas) being removed will prejudice the people in their favour.



Mr. Francis concludes with an appeal to chemists to make the most of this new undertaking, for with patience they may receive the full measure of their rights as the outcome of public recognition, and as a result the profession of pharmacy will be established upon a satisfactory basis.

Mr. J. Y. Fairweather, 313 Sydenham Road, S.E., in the course of an appreciative letter, says: "It is only due to the Pharmaceutical Society that some expression of gratitude should be given to it, not only by its members, but also especially by non-members, for the part it has taken on behalf of pharmacists. It was at one time to be feared during the progress of the Bill that we would not have got that which we now have, and, with no other body except the Society to protect our interests, heaven only knows how we would have now stood. The struggle its Parliamentary Secretary must have had can, I am sure, only be properly appreciated by himself and the Council, together with the Society's officers."

SIR,—It is a remarkable fact, but none the less true, that chemists are always the last to see beyond to-morrow. They have allowed the Insurance Bill to become law and now regret they did not take any steps to prevent it. The medical men have taught them a lesson in trade union. Our Association was the only Chemist Association on the platform at the great protest meeting held in Cannon Street Hotel, in the City. If my fellow-assistants want to fight the present evils that surround them, they must unite and fight hard to obtain anything successfully.

Yours faithfully,

H. C. BEDDING.

Secretary Chemists' Assistants' Reform Union.

[This morsel is too delicious for consignment elsewhere.—  
EDITOR, *C. & D.*]

### Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "*C. & D.*" readers.

#### Killing Cats.

In a recent issue of a contemporary journal there is a reply to a query as to the best way of giving ac. hydrocyanic. to cats. The reply states that the acid is best given by means of a syringe, the poison being injected into the

throat, but some operators prefer to squirt the poison between the eyes of the animal. The latter way is surely very brutal and hazardous. The best, easiest, and most humane way of destroying the domestic animals is by means of a lethal box. We have had one in use for some time, and find it in every way satisfactory. The owners of the animals are pleased to know that their pets have had a painless death; this is evident, as the body is always found in the comfortable posture of sleep. These lethal boxes are to be had from The Council of Justice to Animals, 12 Old Burlington Street, London, or a satisfactory one could be made by any intelligent carpenter. The box is reproduced from "Veterinary Counter-practice," where it is fully described.]

The box is constructed so that chloroform or other lethal vapour may be used. We use for each animal about 1½ oz. of methylated chloroform. In our box we have a wire-work cup inserted in the corner, 5 in. by 2 in., covered with a perfectly fitting slide-lid, which is for receiving the chloroform on a sponge. In the figure there is a wire-gauze partition at the left; above this is a lift-up lid through which the sponge is inserted. When we have cats or very small dogs to destroy, we put a small airtight box into the box to take up some of the air space. The animal should be put into the box with its head away from the chloroform pad.

We have mentioned all the details except our window show-card, which reads: "We have a Lethal Chamber for the painless destruction of Dogs and Cats. Particulars within." We shall be glad to answer any inquiries from anyone who cares to write to us.—*G. Elliott & Son* (Walsall).

#### Appreciations.

"The *C. & D. Diary* is an every-day friend."—(70/10.)

"The *C. & D. Diary* came to hand safely. Most useful as a *Buyers' Guide* of real, practical, every-day value."—(11/69.)

"I beg to acknowledge receipt of *C. & D. Diary* with thanks. A book no business man in the trade should be without."—(14/11.)

"Enclosed please find cheque 10s., subscription for another year's *C. & D.* I find your paper of very great service, the *Diary*, which is just to hand, being a wonderful compilation."—(62/2.)

A Ph.C. (44/1) writes: "I enclose my subscription for 1912, and at the same time wish to thank you for the information given me promptly from time to time when I have asked for it. The sales from one piece of information alone have already paid my past year's subscription."

#### "Lump Supplement."

P. (2/63) wants to know what is lump supplement for softening horses' mouths. [Corrosive sublimate is sometimes called "lump supplement," but it is not used for the above purpose, hence the query. Our veterinary contributor says: "I never heard the expression, but every district has its own peculiar name. I cannot see how softening the buccal membrane is to benefit the animal. Whether the mouth be hard or soft, consideration must be given to the bit and style of driving, as well as to the temper of the driver, and by using caution any animal can be subdued and mastered in course of time. Fortunately, especially for the animal, these old barbarous remedies and cures are dying fast."]

#### Dandruff and Baldness.

Messrs. Knoll & Co., referring to a note regarding hair-falling treatment (*C. & D.*, December 16, index folio 903), send us a prescription which gave the well-known American dermatologist, Professor White, of the Harvard University, the best results in the treatment of alopecia seborrhoica. It is as follows:

Hydrarg. chlorid. corrosiv.	...	gr. iv.
Euresol	...	5j.
Spt. formicarum	...	5i.
Ol. ricini	...	5j-iiij.
Alcohol. (70-per-cent.) ad	...	5viij.—M.

Wash for scalp. Apply two teaspoonfuls in the morning.

Euresol, they add, forms an excellent basis for hair-washes which could be made up by chemists themselves. In order to avoid the poisonous corrosive sublimate and to produce a less expensive preparation, they recommend the following formula:

Euresol	...	5j.
Alcohol (70-per-cent.)	...	5iiss.
Water	...	5j.
Glycerin	...	5j.—M.

Perfume, a sufficiency.

#### Smelling-salts.

I should be interested to hear how your correspondents consider the Poison Regulations coming into effect on February 1, 1912, will affect smelling-salts. Must they be labelled "Poisonous. Not to be taken," and put up in bottles distinguishable by touch?—*R. J. Shannon.*

[We consider it advisable not to treat as "poisonous" smelling-bottles containing liquid ammonia with insoluble solids until there is authoritative ruling that the regulation covers them. If anyone is nervous about the point, he may add a little soap, tragacanth, or other gelatinising material to the liquid portion.—Ed. *C. & D.*]

### Dispensing Notes.

This section is for the discussion and solution of dispensing problems and prescriptions received by "*C. & D.*" readers. We are always pleased to receive the opinions of readers for publication. "The Art of Dispensing" ("*C. & D.*" Office, 5s.) is the standard book of reference on this subject.

#### A Bismuth Mixture.

S. D. (256/28) asks: Should the following mixture become cloudy and throw down a sediment after standing a short while, or should it remain clear for several days?

Sodii bicarb.	...	5ij.
Liq. bismuthi	...	5xij.
Liq. strychninae	...	5j.
Aq. (dest.) ad	...	3vj.

[This mixture should, according to our experience, remain clear for a few days, with B.P. liquor bismuthi. You



will find a reference to a similar mixture in the "Art of Dispensing," p. 239, 8th edition. A slight variation in the ammonium citrate content of liquor bismuthi may make a considerable difference in the behaviour of a mixture of this kind, consequently it is never safe to predict what will happen. It is only a question of time in any case until precipitation occurs.]

### Legal Queries.

Consult the Legal Advice Section of "The Chemists' and Druggists Diary," 1911, p. 435, before writing about your difficulty.

*G. S.* (14/21).—The wrapper will not make pure drug remedies liable to medicine stamp-duty.

*J. W.* (9/39).—We do not undertake searches for the purpose of ascertaining whether titles are registered as trademarks or not.

*J. A. H.* (38/33).—We have read your three posters, and can find nothing dutiable in them. The phrase "Purifies the blood" makes a medicine dutiable, and so does any phrase which implies that.

*R. W.* (10/62).—The patent-medicine licence is not transferable, and every person vending or exposing dutiable medicines for sale is required to have a licence before so doing. Although your predecessor renewed his licence in September, it will not cover your dealings.

*NH.* (12/20).—"Liquid ammonia containing more than 5 per cent. by weight of free ammonia" is sufficient to cover washing liquors, embrocations, etc., and we are advised that High Court judgments under the Pharmacy Act, 1868, as regards the sale of poisons apply to the 1908 Act; that being so, the 1893-4 decision in the Pharmaceutical Society v. Armstrong, to the effect that the sale of a preparation containing poison is a sale of a poison, applies to poisonous substances.

*Hypo* (7/55).—(1) Every individual who desires to use and sell industrial methylated spirit in the form of bay-rum is required to obtain the authority of the Board of Customs and Excise. If the user also desires to employ the spirit in making tincture of cantharides and spirit of rosemary, he must also receive the express authority of the Board for that purpose. (2) It is perfectly legal to sell pennyroyal-and-steel pills if they are to be used for a lawful purpose, but if for any purpose which is covered by the Offences to the Person Act (see *C. & D. Diary*, p. 445) their sale is unlawful.

### Miscellaneous Inquiries.

We do not as a rule repeat information given in this section during the past twelve months. When references are given to past issues, these should be consulted. Back numbers for the past five years can generally be obtained from our office at the published prices. We do not undertake to analyse and report upon proprietary articles.

*A. W. P.* (12/36).—The venereal case is one in which we cannot advise you, medical diagnosis being requisite. Send the man to a doctor.

*Inquirers* (Bombay) (25/39).—All the information that we have in regard to the case was given in THE CHEMIST AND DRUGGIST, and from this we understand that the preparation is made in Bombay.

*Yorkshire Subscriber* (5/73).—The treatment of the mucous colitis which the doctor is giving is quite in order. A great deal of the success of the treatment depends upon the dieting, but recovery is slow.

*Amused* (Doncaster) (3/52).—Thanks for the copy of the "Watch Dog" containing the scurrilous article entitled "Chemists and their Tricks." Fortunately, such attacks on chemists are rare, and call for no reply.

*Ferrum* (240/44).—OXIDISING STEEL.—The blue-black colour on watch-cases made of steel is produced by immersion in the following liquid:

Lead acetate	...	...	50 grains
Sodium thiosulphate	...	...	50 grains
Water	...	...	5 oz.

The solution is used hot, and the article must be totally immersed or the colour will not be even. The tint obtained varies, according to the time of immersion, from light brown to black, the darkest tint requiring half an hour for its development. Hiorns, in "Metal-colouring," states that the sodium thiosulphate alone produces a bluish-black colour

with a somewhat warm coppery tint. This effect is obtained by pickling in the hot solution for ten minutes, with scrubbing at intervals, two being generally sufficient. There are many other fantastic recipes to be found in books, but as a rule these do not answer in practice.

*Paint* (247/38).—We cannot account for the white colour in the paint, unless it be due to the camphor. Celloidin is stated to be guncotton purified by solution in alcohol and ether, and forms a uniform solution in the same solvents.

*H. B. R.* (148/27).—BASIL AND CHAMOIS TRUSSES that have been shop-soiled are difficult to restore to a saleable condition. After several attempts, we find that the best result is obtained by cleaning with petrol, allowing the spirit to evaporate, and then dusting over with lycopodium and brushing the powder into the rough surface.

*T. J. T.* (143/45).—Your sample of SHEEP-POWDER has been tested both microscopically and chemically, and though there was a slight odour of tobacco, no tobacco was found by the microscope. An alkaloid is present which gives the tests for veratrine, and we think, therefore, that the powder consists of a mixture of hellebore and sulphur.

*W. G.* (244/70).—(1) Dilute phosphoric acid of the British Pharmacopoeia is intended in the tonic that you refer to. (2) There have been several reprints of "Secret Remedies," but they are all substantially the same. (3) Green extract of belladonna can be substituted for extract of Indian hemp in any corn-solvent formula. It should be treated with the alcohol and ether of the collodion and filtered before the salicylic acid and pyroxilin are added.

*Mosley* (143/44).—CHEMICAL WEATHER-GLASS.—After having the solutions under observation for some months we find that the formula given in "Pharmaceutical Formulas," p. 508, is not satisfactory, a precipitate persisting in varying conditions. The formula given on p. 852 works very well. The following are the directions: Nearly fill a glass tube 10 in. long and  $\frac{3}{4}$  in. diameter with the following liquid, then hermetically seal:

Camphor	...	...	...	3ij.
Potassium nitrate	...	...	...	3ss.
Ammonium chloride	...	...	...	3ss.
Absolute alcohol	...	...	...	3ij.
Distilled water	...	...	...	3ij.

Dissolve.

Please refer to "P.F." for the interpretation of the indications.

*Zemo* (251/8).—WALNUT HAIR-DYE.—The following methods are used for the non-oily form of walnut hair-dye:

1. Green walnut-shells	...	...	3 oz.
Resorcin	...	...	150 grains
Glycerin	...	...	2½ oz.
Water to make	...	...	30 oz.

Bruise the walnut-shells and boil with 30 oz. of water for half an hour, strain, and add the resorcin, glycerin, and sufficient water to make 30 oz. Perfume may be added.

2. Exhaust bruised green walnut-shells with a mixture of water 2 parts, ammonia solution 1 part, and evaporate to a syrupy consistence. Mix 2 parts of this extract with 1 part of eau de Cologne or other perfumed spirit. If the effect produced is not dark enough, add a small proportion of pyrogallol.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," December 14, 1861.

### Writing Prescriptions.

A correspondent to the "Times" writes: "As a dispenser to a general practitioner, I beg to call attention to the careless manner in which consulting physicians write their prescriptions, more especially as regards the dose, the drachm often resembling the ounce, and the writing so generally blotted and crabbed that the dispensers are often obliged to make guesses, with very little light to guide them to a right conclusion. The blame, whenever a mistake occurs, is always attached to the chemist or assistant, without considering the anxiety and trouble these unfortunates have in deciphering writing worse than falls to the lot of a post-office master. The public have often ridiculed the style of physicians' prescriptions, but will be unable to joke when a mistake more serious than usual occurs. I hope any physician reading this letter will for the future give up the affectation of studied negligence."



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**Odol**

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**A Happy and Prosperous  
New Year**

and in sending this time-honoured greeting  
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**NOTE**—That Odol has been more success-  
ful than ever in 1911.

That it will be still more successful  
in 1912—and

That the success of Odol means  
the success in a corresponding degree  
of everyone associated with it, either  
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**THERE IS PROFIT IN IT TO ALL.**

Christmas 1911.

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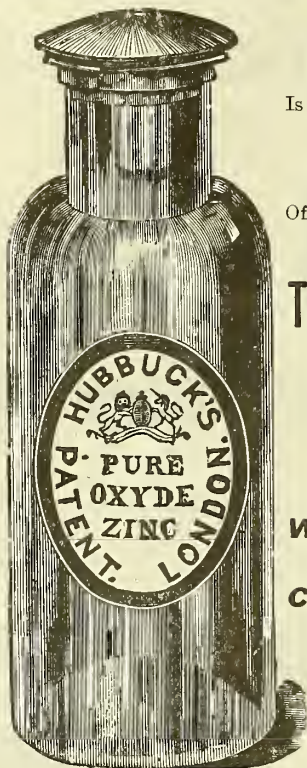
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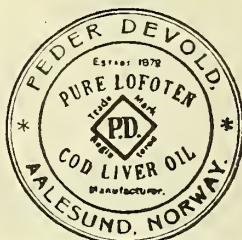
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WINTER ISSUE

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**I**N reply to enquiries, we beg to state that Chemists should not request purchasers to sign a Poison Book, seeing that this medicine **does not** come within Part I of the Poisons Schedule.

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- A**cet. Ipecac. B.P., 7 lbs. @ 1/5 lb.  
 \*Acet. Scilla, B.P., 7 lbs. @ 3d. lb.  
 \*Acid. Acet. Glacial, 99%, Carboys, 160 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 6½d. lb.; 6 lbs. @ 8d. lb.  
**A**cid. Acetylo-Salicyl., 56 lbs. @ 2/4 lb.; 7 lbs. @ 2/7 lb.; 1 lb. @ 2/9 lb.  
 „ Carbol. Xts., 39/40, 56 lbs. @ 9½d. lb.; 10 lb. Tins @ 8/6 each; 36 1-lb. Bots. @ 11½d. lb.; Single Bots. @ 1/1 lb.; Detached Cryst. 10 lb. Tins @ 10/- each, 1 lb. @ 1/4 lb.  
 „ Citric xts., B.P. '85, 1 cwt. @ 1/5 lb.; 7 lb. in Bags @ 1/6 lb.; powder ½d. lb. extra.  
 „ Diethylbarbituric, 16 oz. @ 26/- lb.; 1 oz. @ 2/1 oz.  
 „ Tart. cryst. or pulv., B.P. 1885, 1 cwt. @ 1/1 lb.; 7 lbs. @ 1/2 lb.; parv. ¼d. lb. extra.  
**A**deps Benz., B.P., 28 lbs. @ 7½d. lb.; 7 lbs. @ 8½d. lb.  
**A**mmun. Brom., P.B., 1 cwt. @ 1/8½ lb.; 7 lbs. @ 1/10½ lb.  
**A**myli Pulv. 10 cwt. @ 11/9 cwt.; 2½ cwt. @ 12/6 cwt.; 1 cwt. @ 15/- cwt.  
**B**ismuth, P.B., Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit., 1/- lb. less.  
**C**amphor., English Flowers, "not artificial," 5 lbs. @ 2/- lb.; ½ or ¼ oz. 7 lbs. @ 2/- lb.  
**C**etaceum, No. 1, fine white English, 64 lbs. @ 1/2½ lb.; 7 lbs. @ 1/4 lb.; powder, 7 lbs. @ 1/9 lb.  
**C**ocaine Hydrochlor., B.P., 25 ozs. @ 8/6 oz.; 4 ozs. @ 9/- oz.; 1 oz. @ 9/5 oz.  
**C**ocoa Nuclei, finest White, 80 lbs. @ 55/- cwt.; 40 lbs. @ 57/6 cwt.  
**O**l. Eucalypt., B.P., 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.  
**O**l. Geranii Gall. Opt., 1 lb. @ 18/6 lb.; 8 1-oz. bots. @ 2/1 oz.; 1 oz. @ 2/3 oz.; Turc., 1 lb. @ 12/6 lb.; 4 oz. @ 15/- lb.  
**O**l. Juniperi Bacc., B.P., 4½ lb. @ 3/6 lb.; 1 lb. @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.  
**O**l. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.  
**O**l. Menth. Pip. English, 5 lbs. @ 33/6 lb.; 1 lb. @ 35/- lb.; Hotchkiss original bots., 21 oz. each @ 16/3 lb.; 6 bots. @ 15/9 lb.; 18 bots. @ 15/6 lb.; American, 20 lbs. @ 12/9 lb.; 4½ lbs. @ 13/5 lb.; 1 lb. @ 13/11 lb.  
**O**l. Morrhuæ, Nov. 1911, finest non-freezing, 25 gall. tin-lined barrels @ 112/- per barrel; 2 gall. tins @ 5/6 per gall.  
**O**l. Myristica, 7 lbs. @ 2/10 lb.; 1 lb. @ 3/2 lb.  
**O**l. Nucis Pallid., 45 galls. @ 3/8 gall.; 2 gall. tins @ 4/6 gall.  
**O**l. Olivæ P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 4/8 gall.; 2 gall. tins @ 5/8 gall.; fine cream, 9-lb. tins @ 7/2 each.  
**O**l. Santal Flav. Ang. B.P., 5 lbs. @ 10/11; 1 lb. @ 11/3 lb.  
**P**ix. Burgund. Druggists', 1½ cwt. @ 25/6 cwt.; 7 lbs. @ 4½d. lb.  
**Q**uinine Hydrochlor. B.P., 100 oz. @ 10½d. oz.; 25 oz. @ 11½d. oz.; 10 oz. @ 1/1 oz.  
**Q**uinina Sulph., B.P., 400 ozs. @ 7d. oz.; 100 oz. @ 7½d. oz.; 25 oz. @ 8d. oz.; 10 oz. @ 8½d. oz.  
 \*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb.  
 \*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.  
 \*Tinct. Gelsem. B.P., 5 lbs. @ 2/10 lb.; bond, 6½d. lb.  
 \*Tinct. Gentiana Comp., B.P., 5 lbs. @ 1/11½ lb.; bond, 6½d. lb.  
 \*Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 7½d. lb.  
 \*Tinct. Iodi. B.P., 5 lbs. @ 3/11 lb.; bond, 1/1½ lb.; decolor. 5 lbs. @ 4/3 lb.; bond, 1/0½ lb.  
 \*Tinct. Lavandula Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7½d. lb.  
 \*Tinct. Myrrha, B.P., 5 lbs. @ 3/9 lb.; bond 9½d. lb.  
 \*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb.  
 \*Tinct. Ophi. B.P., 5 lbs. @ 4/5 lb.  
 \*Tinct. Quinae Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb.  
 \*Tinct. Rhei Co., B.P., 5 lbs. @ 2/2 lb.; bond, 9d. lb.  
 \*Tinct. Scilla, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d. lb.  
 \*Tinct. Senega, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3½ lb.  
 \*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d. lb.  
 \*Tinct. Valeriana, 5 lbs. @ 2/8 lb.; bond, 6d. lb.  
 \*Tinct. Valeriana Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb.  
 \*Tinct. Zingib., P.B., 5 lbs. @ 4/- lb.; bond, 6½d. lb.  
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**I**nsect Powder, Opt. English grd., closed flowers, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.  
**L**in. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb. [1/8 lb.]  
 \*Lin. Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/- lb.  
 Lin. Camph. P.B., 40 lbs. @ 11d. lb.; 9 lbs. @ 1/- lb.  
 Lin. Sapo Meth., 9 lbs. @ 7d. lb.  
 Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.  
 Linseed c. Oil, Crushed, 3 cwt. @ 23/- cwt.; 1 cwt. @ 24/- cwt.  
**M**yrh. Gum, English Ground, 28 lbs. @ 10d. lb.; 7 lbs. @ 1/1 lb.  
**R**ad. Jalap. English Ground, 28 lbs. @ 1/11 lb.; 7 lbs. @ 2/- lb.  
**S**accharine, .550 or .500, 7 lbs. @ 26/- lb.; 1 lb. @ 27/6 lb.; .330 or .300, 7 lbs. @ 24/- lb.; 1 lb. @ 25/6 lb.  
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 Sodii Bromid., P.B.; 1 cwt. @ 1/7½ lb.; 7 lbs. @ 1/9½ lb.  
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 Sulphonol, P.B., 1 lb. @ 10/4 lb.  
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 Treacle (Black), Casks about 5½ gross @ 42/- per Cask; 24 lbs. @ 2d. lb.  
 Turpentine (Best American), 1 gall. tins @ 3/10 each.  
**U**ng. Acid. Boric. P.B., 28 lbs. @ 6d. lb.; Flav., 28 lbs. @ 4½d. lb.  
 „ Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.  
 „ Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 3/3 lb.  
 „ Hydragryi, B.P., 28 lbs. @ 1/11 lb.; 7 lbs. @ 2/- lb.  
 „ Hydrarg. Ammon. B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.  
 „ Hyd. Nit. Dil. 7 lbs. @ 10d. lb.  
 „ Paraff. Alb., P.B., 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.; 1 lb. @ 10d. lb.; Flav., 28 lbs. @ 5d. lb.; 7 lbs. @ 6½d. lb.  
 „ Resinae, P.B., 28 lbs. @ 10d. lb.; 7 lbs. @ 11d. lb.  
 „ Sulphuris, B.P., 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.  
 „ Zinc Oxid. Benz. B.P., 28 lbs. @ 7½d. lb.  
**Z**inci Oleat Powder B.P.C., 7 lbs. @ 2/- lb.  
 Zinci Oxid., White-t and Lightest, B.P., 1 cwt. @ 38/- cwt.; 28 lb. @ 5d. lb.; 7 lbs. @ 6d. lb.  
 Zinci Sulph., pure, 1 cwt. @ 15/- cwt.; 28 lbs. @ 2½d. lb.  
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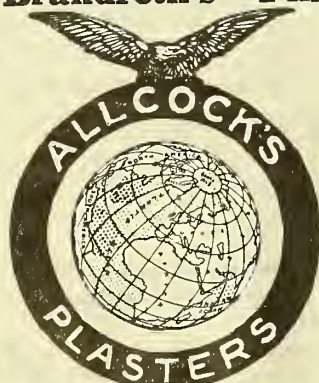
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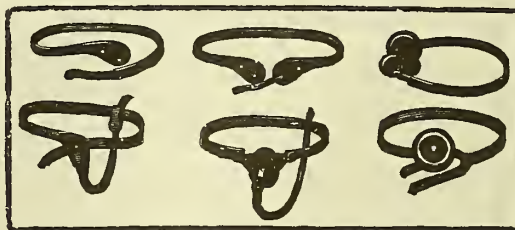


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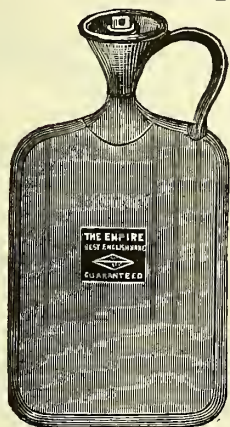
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	Sizes	6 x 8	6 x 10	6 x 12	8 x 10	8 x 12	8 x 14	10 x 12	10 x 14	12 x 14
Top or side handle										
Heavy make ... each		3 0	3 4	3 9	4 0	4 4	4 9	5 0	5 4	6 6
Light " " " each		2 9	3 0	3 5	3 6	3 10	4 6	4 8	5 0	6 1
Covers, scarlet or grey plush, each		0 8	0 8	0 10	0 10	0 11	0 11	0 11	1 0	1 2
" " " felt " "		0 5	0 5	0 6	0 6	0 7	0 7	0 8	0 10	1 0

N.B.—The metal collar in both heavy and light Bottles is **vulcanized into the rubber neck**, thus making it practically one solid piece and doing away with all possibility of leakage.

For orders of **two dozen** bottles assorted we will put tablet with customer's name on free of charge.

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RECESS AND GOLD LABELLED SHOP ROUNDS **ROTHERHAM, YORKS.**

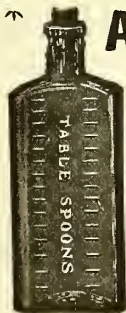
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10 x 8 ...	3/9	14 x 8 ...	4/6
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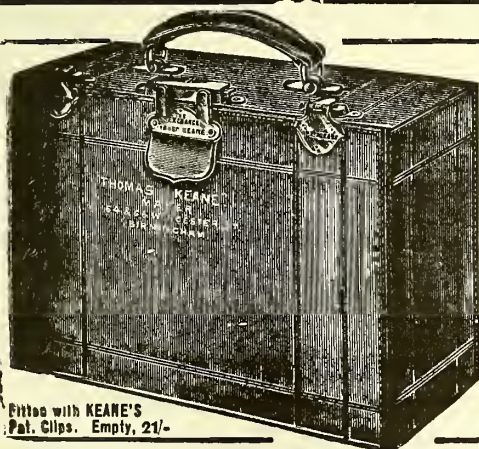
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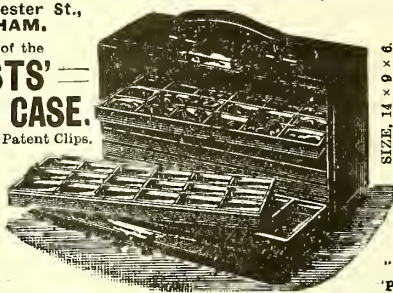
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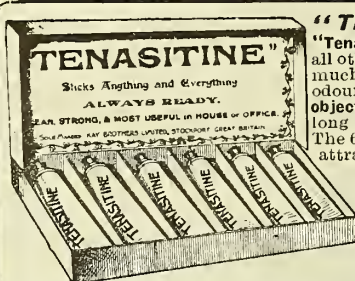
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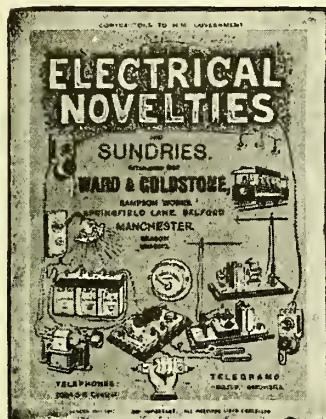
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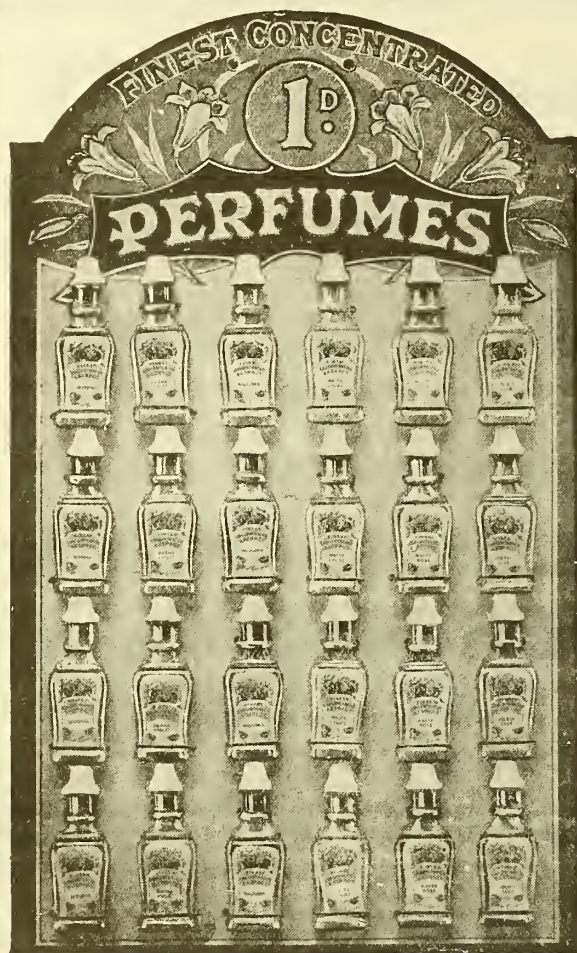


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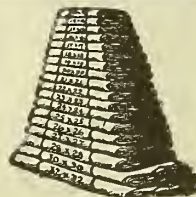
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International Exhibitions—London, 1862; Chicago, 1893. Prize Medals awarded for Pharmaceutical Extracts, Essential Oils, and Dried Herbs of Superior Quality. Also Award at the Paris Exhibition, 1867.



**A. W. SCHWARZ****Chemical Manufactory,  
ALTSTETTEN-ZURICH, SWITZERLAND.****SYNTHETIC PERFUMES**

Ambriocitine, Amber  
Ambrette, Ambrettine  
Apple Blossom  
Bergamott (Artificial)  
Biancol, Biosine  
Bouvardine, Capucine  
Carnation, Cassie  
Castoreum  
Chirassol, Citral  
Clover (Tréfle)  
Coumarine, Cyclamine  
Fern liquid  
Fixateur, Fleuréal  
Gardenia, Genetol  
Geraniol, Glycine

Géranium-Roseine  
Heliotrope (white)  
Heliotropine, Honey  
Honeysuckle  
Hyacinth, Indol  
Irine A., Irine B.  
Irine C., Irine D.  
Iris of Florence  
Irisol, Lavender  
Linalool  
Lilac Flower  
Lily of the Valley  
Lime Flower (Tilleul)  
Mignonette (Rosedéa)

**Specialities :**

Mimosa, Musc C.  
Musc Xylene  
Musc liquid  
Monoviola  
Narcissus, Neroli  
New-Mown Hay  
Pelopomine  
Peony  
Radiol, Raldeal  
Rose de Dijon  
Rose d'Orient  
Roseine  
Royal Oak  
Safranor

**ESSENTIAL OILS**

Special Violet  
Sweet Pea  
Thyme, Trefline  
True Violet  
Tuberose  
Vanilline  
Violet Flower  
Violet Verdure  
Violet d'Azour  
Wallflower  
White Violet  
Ygeana  
Ylangol (artificial)  
Yranol

*Price List and Samples on demand.*

Trade Mark.



Registered.

**THE CAR-MA-ME  
Dental & Toilet Preparations**

Trade Mark.



Registered.

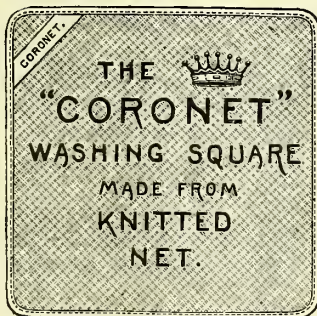
**33<sup>1</sup>/<sub>3</sub>** PER CENT. is the  
GUARANTEED PROFIT  
on the LEADING LINES  
of the CAR-MA-ME PREPARATIONS.

Liq. Germicide Car-ma-me ...	2/6	Dentifr. Liq. Car-ma-me ...	1/-
Liq. Zinci Chlor. Car-ma-me ...	2/-	Car-ma-me Dental Cleanser ...	1/6
Pulv. Dentifr. Car-ma-me ...	1/-	Car-ma-me Plate Brush for do.,	1/3
Pastæ Dentifr. Car-ma-me ...	1/-	Car-ma-me Tooth Brush	1/- & 1/3

Telephone—9335 Gerrard.  
Telegrams—"Hartura London."

**BASH & CO., 35 & 36 Foley St., London. W.**

Codes—A B C 5th Edition  
and Western Union.

**THE DAINTIEST ON THE MARKET.**

Neatly Bound (not over-sewn) Edges.

Three sizes { 3d. 8 inches square.  
4½d. 10 " "  
6d. 12 " "

**1 Dozen in a box.**

OF ALL WHOLESALE HOUSES.

**SOLPORT BROS.**

**Manufacturers of  
DRUGGISTS' SUNDRIES  
& TOILET SPECIALITIES.**  
**188 & 190 GOSWELL ROAD,  
LONDON, E.C.**

**OVER 100% PROFIT  
ENSURED & PROTECTED (P.A.T.A.)  
for sellers of**

**Laurence's Hair Dyes****One solution, nine shades.**

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	} per doz., less 5 % discount.
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

**SPECIAL BONUS.**

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz., 1/6 size, to 4/6, 12/, and 27/- respectively.

SOLE PROPRIETORS—

**C. R. HARKER, STAGG & MORGAN.****DEVON WHARF,**

LTD.

**Emmott Street, Mile End, London, E.**

**A. BOURJOIS et CIE., PARIS.**

SOLE AGENTS:

**HENRY C. QUELCH & Co., 4 Ludgate Square, E.C.****No. 500.****PERFUMES.**

IN ALL THE

POPULAR ODOURS.

**9/- Doz.**

The finest line of 1/- imported Perfumes yet seen.

**No. 617.****BRILLANTINE.****7/6****POUDRE de RIZ.****JAVA POWDER.**

1 doz.	..	7/-
6 "	...	6/9
12 "	...	6/6

Original Cases, 5 gross **6/3**Minimum Retail, **8½d.****BULK PERFUMES**

In ½-lb., ¾-lb. and 1-lb. Bottles.



IN ALL THE

POPULAR ODOURS.

**9/6 Doz.**

We specially recommend the ¾ lb. (5oz.) to your notice. This can be retailed at 4/- each.

**BEETHAM'S  
"LAROLA"**

(Registered)

**Is the Skin Tonic for 1911.****It is effective.****It is attractive.****It is price-protected.****It is well-advertised.****It sells readily.****It bears a good profit.****HAVE YOU OUR SHOWCARD?**

THIS IS WHAT THE "C. &amp; D." SAYS OF IT:—

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Show Card, in 14 colours (size 24 by 17), can be had by any chemist who will give it a good place in his pharmacy.

**M. BEETHAM & SON, Cheltenham.****DAGGETT & RAMSDELL'S  
PERFECT COLD CREAM.****"The kind that keeps."****IMPORTANT NOTICE.**

We have established  
NEW OFFICES  
and are now  
prepared to supply

**DAGGETT &  
RAMSDELL'S  
"PERFECT  
Cold Cream"**

PRICES:

6d. Tubes @ 3/2 dz.	
1/-	8/4
2/-	18/9
1/6 Jars	12/6
2/-	18/9
3/6	29/2
6/3	54/2

in any quantity.

D. &amp; R.

"Perfect Cold Cream" Advertising  
Campaign is now on.

We would thank you to look up your Stock and send  
your order at once to your Wholesale House.

MADE ONLY BY

**DAGGETT & RAMSDELL,**

MANUFACTURING CHEMISTS,

24 ORANGE STREET, HAYMARKET, LONDON, W.C.



# WHAT "HARLENE" IS NOT.

THERE is not much wisdom in wasting all your energy and capital on lines that the Public need only occasionally. But if you look round you will see that best part of your stock is only bought when people are forced to buy it. The majority of your lines do not represent regular sales to individual customers.

"Harlene" is not one of those, for in addition to it being the most popular and best selling Hair Cultivator it is the most elegant article of Hair Toilet Requisites produced.

Others have seen the wisdom of creating regular customers in this way, and it is proved by the continual increase in the size of their repeat orders.

## "HARLENE." For the Hair.

		Retail.		Wholesale.
No. 1 size	...	1/-	...	11/- doz.
" 2 "	...	2/6	...	27/3 "
" 3 "	...	4/6	...	47/- "

## "UZON." Brilliantine.

		Retail.		Wholesale.
No. 1 size	...	1/-	...	11/- doz.
" 2 "	...	2/6	...	27/3 "

## "CREMEX." Shampoo Powders.

	Retail.		Wholesale.
1/-	...	...	11/- doz.
Per box of 7 Powders.			

## SPECIAL OFFER.

### ACCEPT IT NOW.

We are supplying a special trial order to the value of £2 net., assorted as required, cash with order, carriage paid (20% off all trade prices). This offer includes a good supply of dummies, counter bills, and a most attractive Mirror Showcard as a centre-piece for your window or counter.

## WOULD YOU LIKE

one of our latest Mirror Showcards? It would make a most attractive centre-piece for your counter or window, and it will be sent quite

FREE FOR A POSTCARD.



**EDWARDS' HARLENE CO.,**  
95-96 High Holborn, London, W.C.



# Petroleum Jellies

(B.P. and Technical Qualities)

White, Cream, Yellow, Orange,  
Pale Yellow, &c.

# White Oils

(B.P. and Technical Qualities)

White and half-white Oils,  
odourless, tasteless, bloomless.

# Coloured Oils:

Light and Dark Yellow,  
Light and Dark Green, Red, &c., &c.

*The Stern Sonneborn Oil Co., Ltd.*

Tel. Add.: "Centumvir" London.  
Glasgow.**WHOLESALE  
ONLY.**Royal London House, Finsbury Square, London, E.C.  
108 Hope Street, Glasgow.

## TRY IT IN YOUR BATH

BY APPOINTMENT



TO H.M. THE KING.

# SCRUBB'S AMMONIA

## MARVELLOUS PREPARATION

Refreshing as a Turkish Bath.

Splendid Cleansing Preparation for the Hair.

Invaluable for Toilet Purposes.

Removes Stains and Grease Spots from Clothing.

Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates.

Restores the Colour to Carpets.

Cleans Plate and Jewellery.

Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

**SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.**

## NEWBRO'S HERPICIDE

The ORIGINAL remedy that kills the dandruff germ.

This wonderful Hair-Saver acts by destroying the germ or microbe that causes dandruff, itching scalp and falling hair, after which the hair resumes its abundant growth and beauty as nature intended. Extraordinary results follow the intelligent use of Herpicide. Sold in all civilised countries.

Newbro's Herpicide is the most exquisite hair dressing in the world. Cooling and comforting. It stops itching of the scalp almost instantly.

Manufactured by THE HERPICIDE COMPANY, Detroit, Michigan, U.S.A.

TRADE SUPPLIED BY

**THE AMERICAN DRUG STORES THOMAS CHRISTY & COMPANY**

Wholesale and Retail

C. BROOKS, M.P.S., Chemist and Druggist,  
4 Northumberland Av., W.C.; Craven House,  
Kingsway, W.C.; and 26 Cranbourn St., W.C.4, 10 & 12 Old Swan Lane  
Upper Thames Street E.C.

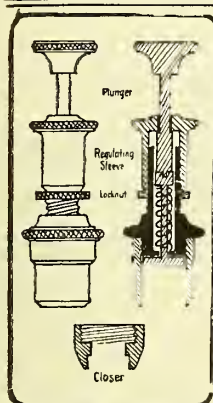
PRICES

Retail 4/- per bottle.

Wholesale 33/- per dozen.

In lots of 3 dozen, 5 % discount.





### THE COMPACT CACHET FILLER & CLOSER

FOR THE RAPID & ACCURATE FILLING  
OF CACHETS.

Price ... 10/6 complete  
The machine without extra nozzles  
and wooden frame costs 6/6.

For description, see *The Chemist & Druggist*,  
December 16, 1911 (index folio 879).

**CICERO S. CLARK**, PHARMACIE  
FRANCAISE,  
12 Richmond Road, BAYSWATER, W.  
Telephone No.: 3116 Western.

## LECITHIN

"FROM EGGS."

### LECITH-ALBUMIN IN POWDER FORM

For the Manufacture of Tablets,  
Chemical Foods, etc.

Food Preparations containing Lecithin  
Powder, Pills, Tablets, Dragées, Chocolate,

CHEMICAL WORKS "VICTORIA,"  
BERLIN, S.W., Holmannstrasse 35.

# S.V.M.

Best Quality Only.

## RANDALL & SON,

Limited.

Wholesale and  
Export Druggists,

## SOUTHAMPTON

## JUDSON'S Straw Hat DYE

**Has NO GLOSS!**

Makes an Old Hat New  
at a COST OF 3d.

All the Latest Shades  
3d. and 6d. Bottles.

**DANIEL JUDSON & SON**  
Mack's Road, Bermondsey.

## STOCK BOX

CONTAINING  
15 gross DISPENSING CORKS  
ASSORTED SIZES  
POST FREE for 10/6



**AYRTON SAUNDERS & CO. LTD.,**  
WHOLESALE DRUGGISTS  
34 HANOVER ST. LIVERPOOL.  
SAMPLE CASE OF CORKS (3 gross) POST FREE 2/6

**GEE!** How quick!  
—Capping with  
**SELF-FIXING  
BOTTLE CAPS**

—so quick, so simple, so perfect, so effective, so  
efficient, that all other methods of Bottle Capping  
are entirely superseded. Just slip the loose wet  
cap on and leave, and the cap does the rest.  
Brilliant, elegant, strong, air-tight, and spirit  
proof. But send for the Booklet to

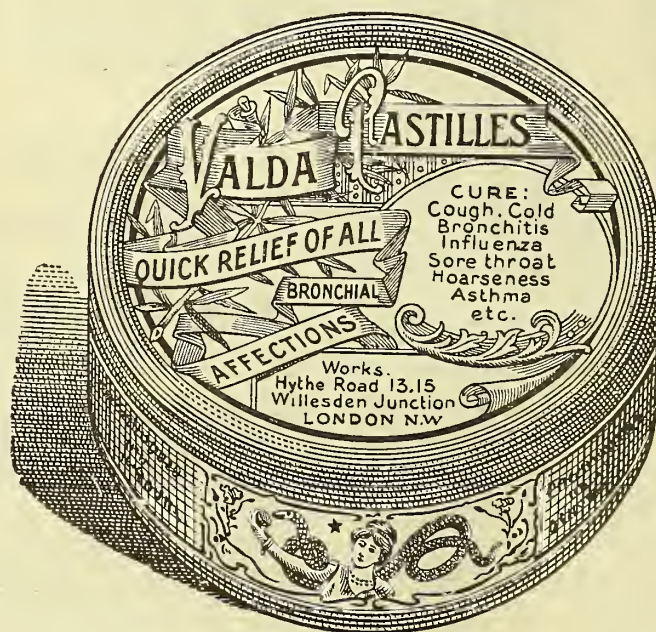
**THE VISCOSÉ DEVELOPMENT CO., LTD.,**  
11 Queen Victoria Street, London, E.C.



# Valda Pastilles

Up-to-Date Laboratories and Works,  
13 Hythe Road, Willesden Junction, LONDON, N.W.

Retail  
Price  
 $1/1\frac{1}{2}$



Retail  
Price  
 $1/1\frac{1}{2}$

The  
**World-Renowned Cough Remedy.**

SPECIAL TERMS FOR CASH WITH ORDER.

1 dozen Boxes	-	-	£0	11	6
6 dozen Boxes	-	-	3	7	6
1 gross Boxes	-	-	6	12	0

Carriage Paid to any part of the United Kingdom.

**SHOWCARD sent on application.**





# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, DECEMBER 23, 1911

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

May

## DAME FORTUNE

*favour all in the drug and  
chemical trades with the  
Happiest of Christmases.*

42, Cannon St., London, E.C.

Dec. 23, 1911.



XMAS 1911.

NEW YEAR 1912.

*Look after your stock and you will eliminate many profit-and-loss worries during the Coming Year. We are experts in stocktaking for the Drug Trade, and will assist you to the*

## HAPPINESS & PROSPERITY

*we endeavour to secure to all chemists.*

## Messrs. ORRIDGE & CO. VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.



# BRETT & CO.

*Licensed Valuers,*

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

**AGENCY.**—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

## STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

- 1.—SOUTH SOMERSET.—Good-class Light Country Retail and Dispensing; moderate rent; situated in nice country town; returns about £1,200; illness sole cause of disposal; price about £1,000.
- 2.—DERBYSHIRE.—Light profitable working-class Retail; returns £960; price £500; low rental.
- 3.—LIVERPOOL.—Several Businesses from £60 to £1,000 in Liverpool and immediate district; please state wants.
- 4.—KENT (Coast).—Returns £650; net profit £220; price £500; any reasonable offer accepted.
- 5.—YORKSHIRE.—We have several good Businesses for Disposal requiring capital of £175 to £400 to purchase outright, and also Businesses requiring up to £1,000; bona-fide inquirers may have further particulars of the above on application.
- 6.—DORCHESTER (twenty miles from).—Good-class Light Country Retail; low rental; returns £800, at good profits; price £600; strongly recommended.
- 7.—LEICESTERSHIRE.—Light Retail in Colliery district; returns £560; price £250; rent £31.
- 8.—GLOUCESTERSHIRE.—Returns £1,250; good-class Retail and Dispensing; net profit £275; price £950.
- 9.—FIRST-CLASS Retail and Dispensing Business and Mineral Waters; returns £1,825; net profit £520; situate in well-known Island Spa; 14,000 Prescriptions annually; splendid premises; could be greatly increased under up-to-date Store methods.

### WE ARE

now booking Stocktakings and Valuations for January and February. Write for our most moderate terms, and leave the rest to us. We guarantee to please you. Our practical experience of 45 years stands behind all our work.

# PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

*Recommended by*—MESSRS. BARRON, HARVEYS & CO.

Telephone: MESSRS. MEGGESON & CO.

No. 27 Victoria.

MESSRS. BARCLAY & SON, LTD.

Invites correspondence and inquiries from anyone requiring Valuation of Stock, either for Sale, Probate, or Account.

Annual or periodical Valuations are made on specially arranged terms, and no interference is caused to current business.

Parson C. Baker's long practical experience in every branch of the trade, his present engagements therein, and his personal attention to all Valuations, combine to give him advantages which no other valuer in the trade possesses.

Advice is given to purchasers of Businesses and investigations made on most reasonable terms.

Vendors desiring to dispose of their Business without publicity are invited to send particulars and full instructions, which are most faithfully observed.

# TOMTOM

Telegraphic Address.

THOS. TOMLINSON & SON, I

Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

### CHEMIST BUSINESSES FOR SALE.

- (1) Devon: Returns, £700; Net Profits, £300; Price £600.
- (2) Worthing: Returns average, £1,100; Net Profits, £290; Price £825.
- (3) London: Returns, £1,000; Net Profits, £250; Price £400.
- (4) Chatham: Returns about £700; Net Profits, £220; Price £500 or near offer. Further particulars on application to "J.W.S.," Evans Sons Lescher & Webb, 60 Bartholomew Close, E.C.

# MESSRS. BERDOE & FISH,

*Chemists' Valuers and Transfer Agents,*

35 JEWRY STREET, FENCHURCH STREET, CITY

(TELEPHONE: 1809 CENTRAL)

Desire to thank all clients and friends for favours received during the past year, and to wish them a very

## Happy & Prosperous New Year.

### ON PAGE 150

of "The Chemist and Druggist Diary," for 1912, there is an announcement made, interesting to all Pharmacists in business, and if you can spare five minutes during the holidays in reading same, it may result in putting money into your pockets.

### INTENDING VENDORS.

Chemists desirous of selling are cordially invited to write for our terms and advice. We are the leading transfer agents, and our clients can rely on their changes not being made public.

### PURCHASERS.

Our list of businesses advertised in last week's Supplement are still for sale, and particulars will be forwarded on application. Please state your requirements as we have a large selection.

42 YEARS' PRACTICAL EXPERIENCE.



# BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. &

## COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

CHRISTMAS HOLIDAYS.—As the Office of this Journal will be closed from Friday evening, December 22, to Wednesday morning, December 27, replies to advertisements addressed to Box Nos. will be posted as soon as the Office reopens on Wednesday, December 27.

## IN BANKRUPTCY.—Re WILLIAM ROGERS.

**BILSTON.**—For Sale, old-established Business of a Pharmacist and Chemist at 64 Church Street, Bilston, near Wolverhampton; present hands 24 years; full Wine Licence; going by valuation to immediate purchaser. Apply, Official Receiver, Wolverhampton, or Boswell & Tomlins, 6 Darlington Street, Wolverhampton.

**EDINBURGH.**—Middle-class Dispensing and General Retail Business in main thoroughfare, doing £500 a year; good reasons for disposal. Apply for particulars to Andrew Gordon, Solicitor, 3 Thistle Court, Edinburgh.

**HULL.**—Good Retail Business for Sale; returns 1909 £708, 1910 £738; growing district; rent £28; lease. "Profitable" (65/7), Office of this Paper.

**LONDON, N.**—Branch Business; handsomely fitted and well-stocked modern Drug-stores, situated in centre of busy main road and market; returns £13 to £14 weekly under unqualified manager; no Poisons sold; Patents only £7 monthly; very profitable; rent only £60; fair house, redecorated throughout in September; established 10 years; price £475, or will sell by valuation; books open to investigation. "O. Z." (61/18), Office of this Paper.

**LONDON Suburbs.**—Old-established; prominent position; good stock; excellent opportunity for developing on Store principles; reasonable offer. "Galenicals," c/o Wright, Layman & Umney, 40 Southwark Street, Borough, S.E.

**LONDON.**—Chemist's, with small Optical, for Disposal; owner giving up business; splendid chance for go-ahead man; old-established in busy part; low rent; neglected; for quick disposal £140, or reasonable offer; could be doubled very quickly by a sharp business man. "Eueryl" (64/23), Office of this Paper.

**MANCHESTER.**—Cash Drug Stores; genuine, old-established Business, in thickly populated neighbourhood, for immediate Disposal; doing about £10 weekly at good profits; good house and shop; rent £25; satisfactory reason for leaving; bargain if taken at once. Apply, Smith, 95 Butler Street, Manchester.

**PEAK OF DERBYSHIRE.**—Splendid chance for young man; takings £650; profits £180; established 80 years; being otherwise engaged, must sell; price £200; a sacrifice. 64/32, Office of this Paper.

**CHEMIST'S** Business for Disposal; good Fixtures and Fittings, cost £75; stock about £40; takings £350 per annum; could be doubled by practical man; rent £50 per annum; reasonable cash offer accepted for immediate purchase. Apply, Bailey, Arundell Drug Stores, Cavendish Place, Eastbourne.

**FOR** Sale, in busy thoroughfare, splendidly fitted Drug Store; cheap to quick purchaser. For terms, etc., address, W. Heap, 10 St. Mary's Gate, Rochdale.

**TO** Chemists, Dispensers, qualified or otherwise.—A well-established Business for Disposal; guaranteed net income of £200 a year; price £250; owner going abroad. Apply, Box P., Maxwell's Advertising Offices, Northumberland Street, Newcastle-upon-Tyne.

## SALES BY AUCTION.

ON BEHALF OF THE FIRE INSURANCE COMPANIES.

### SALVAGE.

**RECOVERED** from the late fire at Messrs. Barclay & Sons, Ltd., 10 Wholesale Chemists and Druggists' Sundriesmen, Farringdon Street, E.C. (a large portion of which is only slightly damaged by smoke and water), including 1,000 BOTTLES EAU DE COLOGNE and other perfumes; 2 TONS FANCY SOAPS: E. & A. Pears', Cleaver's, McClinton's, Cuticura, and other makes, Coal-tar, milk and sulphur soaps; Camp and other Coffee, Allen & Hanburys', Schweitzer's, and other Cocoa; LARGE STOCK OF PROPRIETARY ARTICLES: Owbridge's Lung Tonic, Angier's emulsion, Warner's safe cure, Odol, Clarke's and other blood-mixtures, Epsom salts, Izal and other powders, pills, ointments and other patent medicines; 1,000 Gallons DISINFECTANTS: Jeyes', Calvert's, and others, 1,000 tins, bottles and packets, Carbolic acid and Chloride of Lime; INFANTS' FOODS: Horlick's malted milk, Allen & Hanburys' and Mellin's Foods, beef-and-malt wine, malt-extract, cocoa-wine, Allen & Hanburys' milk-cocoa; Stephen's inks, gums, colours, dyes; lime-juice and other cordials, malt foods and wines, Winearnis, Ridge's foods, cod-liver oil; ABOUT 1 TON LIQUORICE, 5 cases Dinneford's magnesia, 5 cwt. citrate of magnesia, toilet-rolls, hair-restorers, hair-dyes, stains, Cooper's sheep-dip, Thorley's food for cattle, Scrubb's ammonia, 10 cwt. Hypo Soda, insect-powders, etc., which will be sold by Auction by Messrs. TOPPIS & HARDING, at the Sale Rooms, 62A Aldersgate Street, E.C., on Wednesday, January 3, 1912, at 1 o'clock precisely.

On view day prior. Catalogues may be had at the Sale Rooms and of the Auctioneers, 66 Cannon Street, E.C.

## TO LET.

**STONE, Staffordshire.**—To be Let, Lady Day, 1912, Shop and House, best position in town; now and for the past 21 years in the occupation of Mr. Jacks, Chemist. Apply, W. J. Brandon, Cranford, Stone.

**A** N exceptional opportunity for smart man; good Shop in Hounslow, main road, suitable for Chemist; 5 living rooms, garden; rent only £30. Arthur H. Davis, P.A.S.I., 11 John Street, Crutched Friars, E.C.

**A** N Exceptional Opportunity.—To be Let, lock-up corner Shop, 44 Adclphi Street, Preston; busy thoroughfare; no Chemist near; rent and rates less than 12s. week; no fixtures to take over; suit Cash Chemist used to working-class trade. Apply, Carters, Cash Drapers, 107 Adclphi Street, Preston.

**IXWORTH.**—Good Chemist's and Druggist's to Let in the High Street; Shop, House, Premises, Fixtures; 6 miles from Bury St. Edmunds; no opposition; nearest Chemist 5 and 6 miles away; Ixworth has population over 900, surrounded by large Agricultural population; the above was occupied by the late Henry Thurlow and his widow 50 years; rent only £20; splendid opening for Dispensary for the State Insurance Scheme: Oddfellows' and Foresters' Clubs held in the village with over 500 members. Apply, Robert Hurrell, Ixworth, Bury St. Edmunds.

## PARTNERSHIPS.

**PARTNERSHIP** on limited liability basis, with position of Director, offered to gentleman willing to invest about £1,000 in a Wholesale Surgical and Sundries Business (Manufacturers of own Proprietary); experience in Wholesale or Travelling a distinct advantage; every investigation allowed to bona-fide principals. Apply, 62/24, Office of this Paper.



## SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

**RESULTS**  
OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK DEC 16 1911

	REPLIES
UNQUAL. ASSISTANT	103
ASSISTANT (LEEDS)	24
QUAL. MANAGER	19
QUAL. MANAGER (MARRIED)	15
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JUNIOR (WAREHOUSE)	13

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

### TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/e this Office. The Publisher desires to make it clear that this is quite superfluous and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

### ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

CHRISTMAS HOLIDAYS.—As the Office of this Journal will be closed from Friday evening, December 22, to Wednesday morning, December 27, replies to advertisements addressed to Box Nos. will be posted as soon as the Office reopens on Wednesday, December 27.

### RETAIL.

CITY.—Young qualified Assistant, with good Dispensing experience, wanted at once. Waring, 3 Bucklersbury, Cheapside, E.C.

CROWBOROUGH.—Capable Assistant for good-class Dispensing and Retail business; knowledge Photography preferred. Apply, with full particulars, stating age, height, and salary (indoors), with photo, to G. H. F. Dier, M.P.S., Pharmacist, Crowborough.

LEAMINGTON.—Junior Assistant (outdoors). Apply, with full particulars, to Charles Davis, 90 and 117 Warwick Street, Leamington Spa. Also vacancy for Apprentice.

### BIRKENHEAD UNION.

The Board of Guardians invite applications for appointment as Dispenser of Medicines at the Workhouse and Out-door Dispensaries; each candidate must be a Licentiate of the Society of Apothecaries of London, or shall hold a certificate of that Society as to his or her qualification to act as an Assistant in Compounding and Dispensing Medicines duly qualified in accordance with the Regulations for the Army Medical Staff Corps, or shall have been registered under the Pharmacy Act, 1868, or shall have been duly registered under the Pharmacy Act (Ireland), 1875, and the Pharmacy Act (Ireland), 1875, Amendment Act, 1890, as qualified to Compound Medical Prescriptions.

The person appointed will be required to attend at the Workhouse and at the Out-door Dispensaries during the hours of 10 to 12 and 2 to 6.30 daily, or other times as directed; and will be required to Dispense and Compound all Medicines as ordered by the Medical Officers; prepare specifications for the supply of Drugs by contract; keep accounts, examine and check invoices and bills, and be responsible for the safe receipt, care, and distribution of Drugs, Medicines, Appliances and Stores at the Dispensaries.

Salary at the rate of £120 per annum, which is subject to deductions under the provisions of the Poor Law Officers' Superannuation Act, 1896.

The person appointed must not be engaged in any other business, and will be required to perform the duties of the office as directed by the Guardians.

Security will be required in the sum of £100.

Applications, stating age and qualifications, to be delivered to me, endorsed "Dispenser," not later than 12 o'clock noon on Tuesday, December 26 instant, accompanied by copies of not more than four testimonials of recent date (which will not be returned).

Canvassing the Guardians, directly or indirectly, will be deemed a disqualification.

JOHN CARTER.

Clerk to the Guardians.

Poor Law Offices, Birkenhead, December 12, 1911.

LEICESTER Infirmary.—Wanted, a Male Assistant Dispenser, not over 30; Minor qualification; salary to commence £100, with luncheon. Apply, not later than January 2, 1912, with copies of three recent testimonials, to the House Governor and Secretary, Leicester Infirmary.

LONDON, S.W.—Assistant, qualified, immediate, good experience and address, for first-class business. Apply, with full particulars, to Mr. R. A. Robinson (W. Malden & Co.), 155 Brompton Road, London, S.W.

LONDON, W.—Junior Assistant immediately, with a knowledge of Dispensing. R. Thomas, 97 High Street, Manchester Square, W.

LONDON, N.E.—Wanted immediately, capable, qualified Assistant, married, age between 25 and 30, to live on the premises; permanency. Apply, with full particulars, to S. Marshall & Co., Ltd., Chemists, 78 High Street, Kingsland, N.E.

LONDON, N.W.—Assistant wanted, January; married; age under 30; rooms above business; must be experienced in London Retail Dispensing, Photography, etc. Apply, giving full particulars, salary required, 15/46, Office of this Paper.

MARGATE.—Wanted, early in January, for a permanency, an Assistant, about 25, competent in Dispensing and Retail, for good-class business. State last two engagements, age, height, and salary required (indoors), to John Bailey & Co., 2 Ethelbert Terrace, Margate.

MIDLANDS.—Qualified Assistant (outdoors) for good-class Retail and Dispensing business; no Sunday duty; half-day holiday fortnightly. Apply, with usual particulars, to A. E. Fox, 23 Parsons' Street, Banbury.

PLYMOUTH.—Unqualified Assistant; outdoors; one accustomed to first-class Dispensing and Retail. Apply, giving full particulars as to experience, height, age, salary required, etc., and enclosing photo, to Balkwill & Co., 106 Old Town Street, Plymouth.

ST. ALBANS.—Assistant wanted for good-class Family and Dispensing business. Ekins & Fisher, St. Albans.

SHEFFIELD.—Qualified preferred; 26-30; knowledge of Photography essential; half-day holiday weekly; outdoors. Apply, giving full particulars of experience, salary required, etc., and enclosing photo, to H. G. Williams, 118 The Moor, Sheffield.



**SOUTH KENSINGTON.**—Wanted, January, qualified Assistant; must have had good West-End Dispensing experience; outdoors. Usual particulars and photo to B. R. Wilkinson, 23 Cromwell Place, South Kensington.

**TUNBRIDGE WELLS.**—A smart Assistant required, with good Dispensing and Counter experience, for high-class modern Pharmacy; outdoors. Please state age, height, experience, and salary, also enclose photo, H. S. Pearmund, Pharmaceutical Chemist, High Street, Tunbridge Wells.

**WESTERN COUNTY.**—An experienced Managing Assistant for Light Retail and Prescribing business; outdoors; married man, about 30, preferred; permanency; must be an obliging Counterman and good Window-dresser; good salary and prospects to a capable man of energy and business ability; interview arranged. Full particulars to "Western" (64/33), Office of this Paper.

**JUNIOR** or Improver for Retail Cash business, not over 20; hours 8.30 to 8 P.M., Saturdays 11 P.M.; half-holiday weekly; no Sunday or night duty; outdoors. Thornton, Chemist, Blacnavon, Mon.

**PROCTOR, SON & CLAGUE** have vacancy for qualified Junior. Apply, stating age, height, and salary required, Proctor, Son & Clague, Newcastle-on-Tyne.

**QUALIFIED Branch Manager** wanted for London branch; must be energetic, enterprising, and have a knowledge of Photography; references to bear the strictest investigation. Apply, in first instance by letter, to 65/15, Office of this Paper.

**QUALIFIED Assistant**, capable of taking charge of branch shop; good-class and varied experience essential; also undeniable references; excellent opening for the right man. Taylor, Brawu & Flood, Ltd., Bedford.

**SMART Junior or Improver** wanted immediately for good West-End business, principally for Stock and Counter work; indoors. Apply, with usual particulars and salary required, to "Chemicus" (15/34), Office of this Paper.

**TAYLORS' DRUG CO., LTD.**, have vacancies for smart young qualified Chemists (no Sunday duty). Kindly send full particulars, with photo, to the Superintendent, Taylors' Drug Co., Ltd., P.O. Box 141, Leeds.

**WANTED.** Junior or Improver for North Wales Coast; hours 8.30 to 8.30; half-day weekly; nominal Sunday duty; time allowed for study. Apply, stating salary required (indoors or outdoors), and giving particulars, to 63/35, Office of this Paper.

**WANTED**, an Assistant, used to high-class Retail and Dispensing business, one with knowledge of Optics and Photography; permanency to a good man. Apply, with full particulars of experience, age, height, and salary required (outdoors), enclosing carte (to be returned), to "Optics," (63/340), Office of this Paper.

**WANTED**, a qualified Lady Assistant, with good-class Retail and Dispensing experience. Please give full particulars, with salary required (outdoors), "T. R. D." (63/304), Office of this Paper.

## WHOLESALE.

**INVOICE Clerk**, experienced in Drug trade and accurate at figures, wanted by Hirst, Brooke & Hirst, Ltd., Manufacturing Chemists, Leeds.

**SMART Traveller** required, with first-class connection, to sell Drugs, Chemicals, etc., Wholesale only. State age, turnover, experience, salary, by letter, to 63/1, Office of this Paper.

**TABLET-MAKER**, experienced. Apply, by letter, stating age, experience, wages required, when disengaged, and full particulars, to The Standard Tablet & Pill Co., Ltd., Hove.

**TRAVELLERS** wanted (London district), to carry extensively advertised Side-lines for large manufacturing firm; liberal commission to first-class men only. Write, 58/39, Office of this Paper.

**WANTED**, in London and district, Representatives, to sell good Side-lines; state age, past experience, and district covered; sale on commission; must have good reference and experience. Apply, "Homalt" (48/2), Office of this Paper.

## SITUATIONS OPEN

(Colonial, Indian, and Foreign).

**3s. 6d.** for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

**CHRISTMAS HOLIDAYS.**—As the Office of this Journal will be closed from Friday evening, December 22, to Wednesday morning, December 27, replies to advertisements addressed to Box Nos. will be posted as soon as the Office reopens on Wednesday, December 27.

**BIARRITZ.** — Qualified Englishman required, speaking French; one with some French experience preferred; age 25-30; state full particulars, salary, etc., in first letter; permanency to suitable man; no reply received within 7 days declined with thanks. Address Bernard, Pharmacien, Biarritz.

**CAPE COLONY.**—Qualified Assistant required; English preferred; good Dispenser; 3 years' agreement, £16, £17, and £18; second-class passage paid out; half-pay from time of embarkation to time of commencing duties; an excellent opening for a smart man. Apply, 15/7, Office of this Paper.

**ITALY.** — Qualified Assistant required at once; knowledge of French preferred. Apply, stating age, references, salary required, with recent photograph if possible (to be returned), H. Roberts & Co., Corso Umberto 417, Rome.

**SOUTH AFRICA.** — Qualified Assistant; Dispensing Counter; Coast town; age 23 to 25; abstainer preferred; used to good-class business; 3 years' agreement, £17, £18, £19 monthly respectively; outdoors; second-class passage paid. State full record, "D. R. K.," e/o Street's, 30 Cornhill, E.C.

**SOUTH AFRICA.**—Qualified Assistant required for a Coast town; salary, under a 3 years' agreement, £15 per month first year, £16 second, £17 third (outdoors); second saloon passage paid out. Apply, by letter only, "L.," 14 Laforg Street, London, S.E.

**THE Pharmacie W. Schopfer**, Montreux, Switzerland, has a vacancy for an English Assistant; excellent opportunities are given to learn Continental Pharmacy. Apply, in the first instance, to W. F. Gulliver, 6 Lower Belgrave Street, London, S.W.

## APPRENTICESHIPS.

**WANTED** to Apprentice a Chemist's son in a good-class Pharmacy; tall and of good appearance; age 15; no premium. State full particulars to "Chemist" (63/34), Office of this Paper.

# SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

## [HOME]. RETAIL.

**CHRISTMAS HOLIDAYS.**—As the Office of this Journal will be closed from Friday evening, December 22, to Wednesday morning, December 27, replies to advertisements addressed to Box Nos. will be posted as soon as the Office reopens on Wednesday, December 27.

**LOCUM**, Assistant; highest references. "Beta," 74 West Hill, Putney, S.W.

**PART-TIME**; Student desires part-time position. Lockhart, 141 Eglinton Road, Woolwich.

**QUALIFIED**; 33; tall; married; Counter, Dispensing. "Don," 36 Birkbeck Avenue, Acton, W.

**LOCUM**; 25; experienced, competent, and reliable; abstainer. "Statim," 4 Gower Place, W.C.

**JUNIOR**; 25s. (outdoors); reliable; Packing preferred. C. Harris, 209 Queen's Road, Watford.

**MANAGER**; qualified; thoroughly competent and trustworthy; abstainer. 65/2, Office of this Paper.

**UNQUALIFIED**; 24; high-class Dispensing, London. 2 St. Andrew's Pavement, Stamford Hill, N.

**IMPROVER** or Junior; 19; 3 years' experience, Stock and Dispensing. Montague, 49 Grange Park, Ealing.

**UNQUALIFIED**; 36; disengaged; 10 years successful London Drug Stores Manager. 24 Belle Vue Road, Ramsgate.

**LADY** Pharmacist seeks situation; 4½ years' Retail experience; Hospital or Institute preferred. West, Wadebridge, Cornwall.

**JUNIOR**; 21; 5 years' experience, 2 years S.W. London; good Dispensing and Retail experience. Jones, Bryn House, Fishguard.

**QUALIFIED**; 23; Retail, Dispensing, Photographic; West-End and provincial experience; outdoors. "Veronal," 8 Clarendon Road, W.

**MANAGER**, qualified (34), married, first-class London and provincial experience, desires permanency. "Notcale" (66/28), Office of this Paper.

**ASSISTANT**; unqualified; age 20; 5 years' experience; excellent references; Lancashire or Yorkshire district preferred. 64/11, Office of this Paper.

**MANAGER**, M.P.S., wide experience, energetic, abstainer, desires permanency; undeniable references. "Statim," 144 Sackville Road, Hove.

**MANAGER** or Assistant; unqualified; married; permanency; fully experienced; to live on or off premises. "Argyrol" (58/40), Office of this Paper.

**ELDERLY** Pharmacist; Branch Manager; good Prescriber and Dispenser; or Dispenser to a Doctor; large and varied experience. "S," 475 Barking Road, E.

**ASSISTANT**, unqualified (28), desires situation; outdoors; experienced Dispenser; first-class references. H. Walker, 23 Elmsdale Road, Walthamstow, N.E.

**JUNIOR**; 21; good-class experience; disengaged; London preferred; Dispensing and Counter; excellent references. V. Arnfield, 15 Aylsham Road, Norwich.

**QUALIFIED**; 27; as Senior or Manager preferred; good provincial and West-End experience; free January 1. "B," 23 Clarendon Street, Pimlico, S.W.

**JUNIOR**; unqualified; 22; 5 years' Counter, Dispensing, Photographic, London experience; London only; disengaged. "Statim" (66/35), Office of this Paper.

**JUNIOR**; 21; 6 years' experience; good Counterman, Photography, Window-dressing; good references; disengaged middle of January. Lefevre, 9 Bridge Street, Whitby.

**LOCUM** or permanent; thoroughly experienced; expert Extractor and Impression taker; first-class references; disengaged. "Chemist," High Street, Chasetown, Staffs.

**UNQUALIFIED**; 5 ft. 10½ in.; 33; married; good appearance; undeniable references; permanency; Manager or Assistant. "Rhei," 30 Thornham New Road, Castleton, Lancashire.

**MANAGER** or Assistant; disengaged; married (46), no family; smart, energetic; good Prescriber; unqualified; distance no object. "Bromo," 18 Highbury Road, Horfield, Bristol.

**MANAGER** for small Cash Business; live over premises; able to work up business; succession if desired. Particulars of salary, reference, etc., to "Sanatogen" (65/20), Office of this Paper.

**ASSISTANT**; unqualified; 10½ years' good Dispensing experience; good references; accept Locum or permanency; salary moderate if short hours. "Statim" (15/47), Office of this Paper.

**ASSISTANT**; unqualified; experienced Branch Manager; married, no family; disengaged; good references; trustworthy; 35s. (outdoors); permanency desired. 65/13, Office of this Paper.

**PHARMACIST** (32) desires position of trust, Dispensing or Retail; West End, City, and Continental experience; disengaged immediately; highest references. "Agilis" (64/29), Office of this Paper.

**HOME** or Abroad; qualified; 30; married; sterling references; Wholesale preferred; fluent French and Italian; good administrator; disengaged January 1. "H. C.," 10 York Road, Hove, Sussex.

**LOCUM** or permanency; disengaged 27th; 13 years' good experience, London (West End) and provinces; unqualified; abstainer; good references. Tavener, Sharpley House, Whitwick, Leicester.

**SOUND** business man, of excellent character, wishes to hear of vacancy in good business; Photography, Extractor; 34 years; 5 years last situation; married; permanency preferred; South Coast or seaside. 62/23, Office of this Paper.

**COMPETENT**, experienced Assistant; Dispenser, Prescriber, Photography; unqualified; 34; married; used to Management; 6 years' present reference; disengaged January 1. "K," c/o Barnes, Pharmaceutical Chemist, Upton Manor, London, E.

**MANAGER**; qualified; 11 years' experience (6 years seaside); accurate Dispenser; knowledge of Photography; agreement for 3 or more years if desired after a month's trial; disengaged; South of England or West Midlands preferred. Ernest R. Samways, St. Mary's Pharmacy, Gillingham, Dorset.

**COMPETENT** Manager for Drug Stores, or good Senior position, is desired by experienced unqualified man; advertiser is smart Salesman, Counterman, Dispenser, and skilful Extractor; Partnership or view to succession entertained; references undeniable. Apply, "Pharmacy," 25 Bavant Road, Norbury, S.W.



## WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

TRAVELLER, good connection in the South. 4 years last house, desires engagement. 64/24, Office of this Paper.

WELL-EDUCATED Youth; 19; served three years' apprentice-shop; Wholesale; Dry or Wet Counter. 63/37, Office of this Paper.

WANTED.—A qualified Medical Man (M.B., C.M.) wishes to obtain 12 to 24 months' work as Travelling Representative of a reputable firm; will travel anywhere required on salary and travelling expenses, or as may be arranged; has been over 20 years in general practice; highest references and best guarantees. "M. B." (273/40), Office of this Paper.

## SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

AUSTRALIA.—Advertiser (30), 15 years' Wholesale Drug trade, shortly sailing for Australia, desires situation, Travelling, Office or Warehouse work; excellent references. 51/20, Office of this Paper.

## MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—25 Apollinaris, £6 8s. 9d. x.d.; 300 Claudius Ash New Preference, 22s. 6d.; 250 Baisss Bros. & Stevenson 5½ per cent. Preference, 11s. 4½d.; 50 Brunner Mond, 101s.; 200 Ilford Ordinary, 15s. 1½d.; 150 6 per cent. Preference, 18s. 9d.; 50 Idris 6 per cent. "A" Preference, 6s. 3d. c.d.; 100 Lewis & Burrows Ordinary, 3s. 6d.; 200 Parke's Drug Ordinary, 2s. 7½d.; 150 6 per cent. Preference, 10s. 6d. c.d.; 75 Wright Layman Preference, 20s. 10½d.

WANTED (subject).—200 G. B. Kent Preference, 15s. 9d.; 200 Bovril Preference, 21s. 10½d.

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

ALL parties having Claims against the deceased William Forgie, who lately carried on business as Chemist and Druggist at 246 Crow Road, Partick, and 1642 Great Western Road, Glasgow, are requested to lodge the same within 14 days with the Subscriber, and all parties indebted to the deceased are requested to make payment to the Subscriber within a like period.

R. M. McQUEEN, Solicitor,  
Agent for the Executors.

157 St. Vincent Street, Glasgow, December 18, 1911.

CHEMISTS' FITTINGS. — Window-enclosures, Glass Shelves, Mirrors, Showcases, Screens, Counters, Drawers, etc., All Shop-fittings, second-hand, at unbeaten prices; don't waste time; call or write to George Cook, The Chemists' Working Shopfitter; over 30 years' experience fitting Pharmacies. Note new address, 30 Buttesland Street, East Road, London, N. (few minutes Old Street Tube Station).

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.O.

SHOPFITTINGS (equal to new).—13-ft. Drugfitting, with Mahogany and Glass-labelled Drawers, etc.; 12-ft. Mahogany and Plate-glass Serving-counter, with Conter Drawers at back; Mahogany and Plate-glass Perfumery Showcase and Desk; 6-ft. Mahogany and Bent Plate-glass Counter Showcase; 10-ft. handsome Mahogany Wall Showcase; 6-ft. Mahogany and Plate-glass Dispensing-screen and Counter, with Sponge-case; all in excellent condition; price £60; ready for immediate use. PHILIP JOSEPH & SONS, LTD., 93 Old Street, London, E.C.

## COMMENCE 1912 RIGHT

by shaking off your incredulity, and write for my free booklet that proves, to any balanced mind, how your business can be increased by my system of refined advertising, accompanied where desirable by clever illustrated window shows expressly put in and Photographed for me. I do more than wish you a Prosperous New Year, I provide for its prosperity. See also Diary advt., page 114.

BERNARD SLACK, 9 King St., Wolverhampton. Nat.Tel.581.

## A MESSAGE TO ALL PHARMACISTS.

The best Wishes for a Happy Xmas and a prosperous New Year. This week a Pharmacist writes:—"Continuing for another year"; (which makes his 3rd year with me). Another states "Your ideas are excellent, one of my best Specialities is from your idea and formula. Do not put it off any longer, a postcard will bring a copy of my booklet, "How to Increase Your Business." No catchpenny ideas sent, but you build and increase your trade through your Specialities alone.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

## FOR DISPOSAL.

## BOOKS AND PERIODICALS.

"C. & D. DIARY" for 1912; what offers? SHARMAN, Northwood, Middlesex.

## OPTICAL AND PHOTOGRAPHIC.

72 MICROSCOPE slides, 2s. doz., 10s. lot; exchange, approval. LINTIN, 170 Freedom Road, Sheffield.

## MISCELLANEOUS.

VEEDEE vibrators, 3, good as new, accept 12s. 6d. each or 30s. the 3, quick sale. MILES, 402 Kingsland Road, London, N.

## WANTED.

OPTICAL books; Minor, Major Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

TWO or three Gardner's patent Rapid sifting and mixing machines. State size, condition, and lowest price, to 1/57, Office of this Paper.

CHEMICAL apparatus and accessories for manufacturing Chemists' small testing and analytical laboratory; also a small printing press. Quote, MORGAN W. JAMES & Co., Clare Place, Cardiff.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcement is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.



## PATENT SPECIFICATIONS.

Printed copies of the following specifications are on sale (8d. each) at the Patent Office, 25 Southampton Buildings, London, W.C., a fortnight after the notice of acceptance has appeared in the "Official Journal" (Patents) of the given dates. Persons desirous of opposing the grant of a patent must do so in the prescribed form within two months from the date of the "Journal" in which the notice appeared.

### Specifications Accepted.

November 1, 1911.

HERBAL MEDICINE. 24567/10. Wynn.  
MANUFACTURE OF SYNTHETIC CAOUTCHOUC. 24790/10. Matthews & Strange.  
TREATING COFFEE-BEANS. 24793/10. Klein.  
VAPORISER FOR FUMIGATION, ETC. 25043/10. Oddey.  
ANTHRAQUINONE DERIVATIVES CONTAINING NITROGEN. 25183/10. Ullmann.  
SURGICAL APPLIANCES FOR KNEE-JOINT. 25515/10. Lawless.  
INDIARUBBER SUBSTITUTE. 26093/10. Turus.  
DERIVATIVES OF M-OXY-HYDRO-CINNAMIC ACID. 26676/10. Newton. (Farbenfabriken vorm. F. Bayer & Co.)  
REGULATING THE SUPPLY OF ANÆSTHETIC TO INHALERS. 26849/10. Hall.  
SIGHT-TESTING APPARATUS. 26864/10. Gowlland.  
GAY-LUSSAC AND GLOVER ACID TOWERS. 28004/10. Green Huncot Plastic Brick & Terra Cotta Co.  
LOTION FOR EXTERNAL APPLICATION. 28562/10. Borovzky.  
NEW ORGANIC MERCURY COMPOUND. 28583/10. Bloxam. (Akt.-Ges. für Anilin Fabrikation.)  
FORCEPS FOR SURGICAL PURPOSES. 30/11. Rosenfeldt.  
ARTIFICIAL LEGS. 4466/11. Healy.  
REMOVING OXIDATION FROM METALS. 5684/11. Neil.  
WOOD-PRESERVING PROCESS. 8468/11. Keonman.  
DENTISTS' SPITTOONS. 9811/11. Schwartz.  
MEDICAL COMPOUNDS. 10494/11. Stebbins.  
OBTAINING OXYGEN AND NITROGEN. 12308/11. Kassner.  
ATMOSPHERIC NITROGEN. 12314/11. Sinding-Larsen.  
RECOVERY OF HYDROCYANIC ACID. 14588/11. Guignard & Watrigart.  
PAPER CAPSULES FOR NECKS OF BOTTLES. 17388/11. Von der Heyden.

November 8, 1911.

TREATMENT OF SOJA FOR SAUCES. 20520/10. Ransford. (Soc. Française des Distilleries de L'Indo-Chine.)  
MANUFACTURE OF FILTER CARBON. 24905/10. Richter & Richter.  
MANUFACTURE OF SODIUM AND POTASSIUM. 25100/10. Swan & Kendall.  
MASSAGE APPARATUS. 25226/10. Lister.  
COLOUR-PHOTOGRAPHIC RECORDS. 26608/10. Pfenninger & Townsend.  
CONVERTING UNSATURATED FATTY ACIDS INTO SATURATED COMPOUNDS. Joseph Crosfield & Sons, Ltd., & Markel.  
PROCESS OF COATING CORKS. 2455/11. Pink.  
PHARMACEUTICAL PRODUCTS. 3594/11. Newton. (Farbenfabriken vorm. F. Bayer & Co.)  
MANUFACTURE OF ZINC OXIDE AND ZINC SULPHIDE. 11103/11. Boulé. (Flugger.)  
MANUFACTURE OF CATTLE-FOOD. 12895/11. Roberts.  
ELECTROLYTIC PRODUCTION OF AMMONIUM NITRATE. 16426/11. Elektrochemische Werke Ges.  
MANUFACTURE OF NITRIC ACID. 19032/11. Farbwerke vorm. Meister, Lucius & Brüning.

November 15, 1911.

HYPODERMIC SYRINGES. 18365/10. Dental Manufacturing Co. & Rowse.  
MEDICINES. 25556/10. Cardenas.  
PURIFICATION OF ELECTROLYTIC GASES. 17264/10. Knowles.  
GAS ANALYSING APPARATUS. 27545/10. Knowles.  
APPARATUS FOR EXPANDING TUBES USED IN MANUFACTURE OF HOSPITAL FURNITURE. 23349/10. Down.  
SURGICAL TAMPON INTRODUCERS. 972/11. Gibbins.  
APPARATUS FOR ADDING STERILISING AND DISINFECTANT AGENTS TO WATER. 2183/11. Robinson.  
MANUFACTURE OF SODA FROM BLACK ASH. 7404/11. Carey & United Alkali Co.  
HEADS OF SYPHONS. 8526/11. Idris Griffith & Idris & Co.  
MAKING BETULIN. 14768/11. Kohler.  
STERILISING BY ULTRA-VIOLET RAYS. 14912/11. Soc. Anon. Française dite Banque du Radium.  
PACKING POWDERS. 15482/11. Paraskovich.  
FEEDING-BOTTLES. 17582/11. Kilburn. (Thermolac Manufacturing Co.)  
SURGICAL NEEDLES. 19275/11. Turner.  
DIRECT EXTRACTION OF AMMONIA AS SULPHATE. 22357/11. Pünig.

November 22, 1911.

REMOVING PALM-NUT PERICARPS. 26522/10. Gabbett-Fairfax, Smith & Trevor.  
WATERPROOFING SOLUTIONS. 26789/10. Muskeitt & Rubber Substitute (1910), Ltd.  
PEST-DESTROYER AND FERTILISER. 27095/10. Curry & Perkins.  
MANUFACTURE OF HOSPITAL FURNITURE. 26348/10. Down.  
CHEMICAL PREPARATION OF DUST-LAYING PREPARATION. 1278/11. Arnott & Weston.  
PHARMACEUTICAL PRODUCTS. 7591/11. Newton. (Farbenfabriken vorm. F. Bayer & Co.)  
STERILISING BY ULTRA-VIOLET RAYS. 9047/11. Triquet.  
WHITENING THE TEETH, ETC. 13394/11. Rosenthal.  
APPARATUS FOR TREATMENT OF TEETH. 14426/11. Filderman.  
COFFEE-SUBSTITUTE. 14575/11. Wischmeyer.  
LIQUID FOR REMOVING OLD VARNISH FROM OIL-PAINTINGS. 14787/11. Rubini.  
PROCESS FOR PEROXIDATION OF THE ALKALI METALS. 15188/11. Soc. Anon. des Usines de Riouperoux.  
PRESERVATIVE COMPOSITIONS. 18448/11. Arota Ges.  
PREVENTING DIMMING OF GLASS-WINDOWS. 19511/11. Ritchie.  
STERILISING BY ULTRA-VIOLET RAYS. 21829/11. Helbronner & Von Recklinghausen.

November 29, 1911.

PRODUCING CYANOGEN-COMPOUNDS. 21628/10. Heys. (Nitrogen Co.)  
PRODUCING AND UTILISING HYPER-ULTRAVIOLET RADIATIONS. 24025/10. Billon Daguerre.  
TREATMENT OF LAC. 26759/10. Johannes.  
MANUFACTURE OF ANHYDROUS HYDROSLPHITES. 26765/10. Ellis. (Chemische Fabrik von Heyden Akt.-Ges.)  
EXTRACTION OF COMPOUNDS OF VANADIUM, MOLYBDENUM, TUNGSTEN, AND SIMILAR METALS. 26777/10. Perret.  
WATERPROOFING-COMPOSITION. 2703/11. Casteleyn.  
ABSORBENT FABRIC. 3244/11. Thompson. (Lativenes.)  
PREPARATION OF SUPER-OXIDES OF THE ALKALI EARTHS. 8503/11. Bergius.  
HERNIA TRUSSES. 10971/11. McKay.  
ARTIFICIAL HUMAN MILK. 14114/11. Howe & Davis.  
EXTRACTION OF COMPOUNDS OF VANADIUM, MOLYBDENUM, TUNGSTEN, AND SIMILAR METALS. 15181/11. Perret.  
FIXING BRISTLES IN BRUSHES. 16204/11. Ellis.  
IMPLEMENT FOR REMOVING DENTAL CROWNS, ETC. 17280/11. Kenney.  
NOSE PASSAGE APPARATUS. 18254/11. Gottlieb.  
TESTING AIR BY CHANGE IN COLOUR OF TEST LIQUID. 18502/11. Arndt.  
OPTICALLY UNITING LENSES AND PRISMS. 19486/11. Taylor.

### Specifications Open for Inspection.

PRODUCING HYDROGEN. 20486/11. Näher & Müller.  
VARNISH WITH BASE OF CELLULOSE ETHER. 21426/11. Leduc. Heitz et Cie.  
MANUFACTURE OF NITROGENOUS COMPOUNDS FROM METALLIC CARBIDES. 22231/11. Scialoja.  
REDUCING OXIDES. 22236/11. Soc. Electro-Metallurgique Française.  
DIRECT EXTRACTION OF AMMONIUM SULPHATE FROM DISTILLATION GASES. 22357/11. Prünig.  
STERILISING BY MEANS OF ULTRA-VIOLET RAYS. 15010/11. Soc. Anon. Française dite Banque du Radium.  
PRODUCING PINACONE. 22795/11. Farbenfabriken vorm. F. Bayer & Co.  
MANUFACTURE OF THERAPEUTICALLY EFFICACIOUS PREPARATIONS OF TUBERCLE BACILLI. 23022/11. Farbwerke vorm. Meister, Lucius & Brüning.  
MANUFACTURE OF TINCTURING COSMETICS. 23521/11. Richez.  
PRODUCING NITROGEN COMPOUNDS. 12555/11. Schick & Akt.-Ges. für Stickstoff dünger.  
MANUFACTURE OF OIL CAPABLE OF RESISTING LOW TEMPERATURE. 22793/11. Krojanker.  
PRESERVATIVE FOR WOOD. 21339/11. Monseur.  
SCIENTIFIC CLEANSING PREPARATION FOR WOOL-SCOURING. 24675/11. Shaw.  
MANUFACTURE OF SULPHUR DERIVATIVES FROM GLYCERIN. 25246/11. Littenfeld.

## AT THE COUNTER.

ECONOMY IN EXCELSIS.—Mr. W. R. Watson (Chadwell Heath) records the following conversation at his counter: Customer: "How do you sell the brimstone-and-treacle tablets?" Chemist: "Eight a penny." Cust.: "And the acid tablets?" Ch.: "1d. per oz." Cust.: "Give me an ounce of acid tablets, but take one out and put in a brimstone-and-treacle one, as we don't want to go to a lot of expense to try them." Ch.: "Thank you, madam."



# Wright's Coal Tar Soap

## WINDOW DISPLAY COMPETITION, 1911.

<b>First Prize</b>	-	<b>£25</b>
<b>Second Prize</b>	-	<b>£15</b>
<b>Third Prize</b>	-	<b>£10</b>
<b>Fourth Prize</b>	-	<b>£5</b>
<b>AND</b>		
<b>10 Consolation Prizes of £1 each.</b>		

This Competition closes on December 30th, by which date all photographs of window displays must have been received.

The Photographs will be adjudicated by a Committee of Experts nominated by the Editor of "The Chemist and Druggist," who will act as Judge.

Announcement of result will be made in the Trade Journals as soon as possible.

Particulars of a similar Competition for 1912 will be announced in the Trade Press early in the New Year.

**WRIGHT, LAYMAN & UMNEY, Ltd.,**  
SOUTHWARK.

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THE POPULAR  
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We have sold more of these two packages than any preparation we have ever introduced. They are of undoubted efficacy, and catch the popular fancy. They contain no opiate.

PACKED IN "SILENT SALESMEN" COUNTER SHOW BOXES.

SLIDE  
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**2/9**

PER DOZEN  
Carriage Paid.



HINGED  
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BOXES  
OF  
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**3/-**

PER DOZEN  
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BEAUTIFULLY LABELLED IN COLOURS.  
Name and Address on 3 Dozen.

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